

GenCore version 5.1.6  
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## OM nucleic - nucleic search, using sw model

Run on: December 28, 2005, 22:23:23 ; Search time 353 Seconds  
(Without alignments)  
8822.346 Million cell updates/sec

Title: US-10-001-227-3  
Perfect score: 1752  
Sequence: 1 atgcacatccacagtggtgc.....ctgagaagcagagcattc 1752

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

## Database :

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9: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	957.8	54.7	2456	US-09-999-833A-253	Sequence 253, App
2	957.8	54.7	2456	US-10-020-445A-253	Sequence 253, App
3	427.2	24.4	1717	US-09-595-682B-20	Sequence 20, Appl
4	424	24.4	1701	US-09-264-737-3	Sequence 3, Appl
5	319.2	18.2	1680	US-10-019-219-6	Sequence 6, Appl
6	319.2	18.2	2117	US-09-949-016-3799	Sequence 3799, Ap
7	319.2	18.2	2169	US-09-949-016-555	Sequence 555, App
8	319.2	18.2	2191	US-09-595-682B-27	Sequence 27, Appl
9	272.8	15.6	1746	US-10-023-515-3	Sequence 3, Appl
10	272.8	15.6	2158	US-10-023-515-1	Sequence 1, Appl
11	260.6	14.9	2092	US-10-104-047-249	Sequence 249, App
12	243.4	13.9	1453	US-09-799-451-562	Sequence 5, App
13	168.6	9.6	521	US-10-019-219-3	Sequence 3, Appl
14	148.2	8.5	1725	US-09-810-861B-5	Sequence 5, Appl
15	148.2	8.5	1845	US-07-732-962A-1	Sequence 1, Appl
16	148.2	8.5	1845	PCT-US92-06106-1	Sequence 1, Appl
17	148.2	8.5	2158	US-09-949-016-1192	Sequence 1192, Ap
18	148.2	8.5	2158	US-09-949-016-1193	Sequence 1193, Ap
19	148.2	8.5	2256	US-08-318-826A-5	Sequence 5, Appl
20	148.2	8.5	2256	US-08-370-156-1	Sequence 1, Appl
21	148.2	8.5	2256	US-08-814-095-1	Sequence 1, Appl
22	148.2	8.5	3016	US-08-318-826A-7	Sequence 7, Appl
23	148.2	8.5	3016	US-08-370-156-5	Sequence 5, Appl
24	148.2	8.5	3016	US-08-814-095-5	Sequence 5, Appl

25	148.2	8.5	3096	2	US-08-318-826A-6	Sequence 6, Appl
26	148.2	8.5	3096	2	US-08-370-156-3	Sequence 3, Appl
27	148.2	8.5	3096	3	US-08-814-095-3	Sequence 3, Appl
28	148.2	8.5	5767	3	US-09-810-861B-3	Sequence 3, Appl
29	148.2	8.5	14446	3	US-09-810-861B-4	Sequence 4, Appl
30	137.2	7.8	9885	3	US-09-949-016-12934	Sequence 12934, A
31	137.2	7.8	9885	3	US-09-949-016-12935	Sequence 12935, A
32	137.2	7.8	35060	3	US-08-814-095-7	Sequence 7, Appl
33	129.8	7.4	10827	3	US-09-949-016-12297	Sequence 12297, A
34	126.4	7.2	3113	3	US-09-999-833A-374	Sequence 374, App
35	126.4	7.2	3113	3	US-10-020-445A-374	Sequence 374, App
36	124.4	7.1	2184	2	US-08-445-050-8	Sequence 8, Appl
37	124.4	7.1	2184	2	US-08-204-691-8	Sequence 8, Appl
38	124.4	7.1	2375	3	US-09-949-016-3976	Sequence 3976, Ap
39	124.4	7.1	2428	2	US-08-445-050-1	Sequence 1, Appl
40	124.4	7.1	2428	2	US-08-445-050-1	Sequence 1, Appl
41	124.4	7.1	2428	3	US-09-355-295B-2	Sequence 2, Appl
42	124.4	7.1	2467	3	US-08-370-223-12	Sequence 12, Appl
43	124.4	7.1	2734	3	US-09-569-611C-5	Sequence 5, Appl
44	124.4	7.1	2781	3	US-09-569-611C-6	Sequence 6, Appl
45	124.4	7.1	3018	2	US-08-347-718B-3	Sequence 3, Appl

## ALIGNMENTS

RESULT 1  
US-09-999-833A-253  
Sequence 253, Application US/09999833A  
Patent No. 6916648  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Baker Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Denoyers, Luc  
APPLICANT: Eaton, Dan  
APPLICANT: Ferrara, Napoleon  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gutney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Kuo, Sophia S.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Shelton, David L.  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P26301C65  
CURRENT APPLICATION NUMBER: US/09/999,833A  
CURRENT FILING DATE: 2001-10-24  
PRIOR APPLICATION NUMBER: 09/918585  
PRIOR FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/064249  
PRIOR FILING DATE: 1997-11-03  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066364  
PRIOR FILING DATE: 1997-11-21



PRIOR APPLICATION NUMBER: 60/085579  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085580  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085573  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085704  
 PRIOR FILING DATE: 1998-05-15  
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 54.7%; Score 957.8; DB 3; Length 2456;  
 Best Local Similarity 85.3%; Pred. No. 1,1e-246;  
 Matches 1180; Conservative 0; Mismatches 2; Indels 201; Gaps 2;

QY 127 GGGGCTTGGACACCAAGAGGCTCAAGTGTCAACCAATATGAAACCCCTGAGAGAAA 186  
 DB 388 GGTGCTTGGACACCAAGAGGCTCAAGTGTCAACCAATATGAAACCCCTGAGAGAAA 447  
 QY 187 CAGATCATGTGGGGAAGACACCATCAAGTCTTTTATAGAGTCCCTTCTCAGACT 246  
 DB 448 CAGATCATGTGGGGAAGACACCATCAAGTCTTTTATAGAGTCCCTTCTCAGACT 507  
 QY 247 CCTTATGATCTCTCAAGTTTGACCTTCAAAACCCCGAGCCCTGGAAGAGATCAGA 306  
 DB 508 CCTTATGATCTCTCAAGTTTGACCTTCAAAACCCCGAGCCCTGGAAGAGATCAGA 567  
 QY 307 GATGCTACCACTTACCCGCTG----- 328  
 DB 568 GATGCTACCACTTACCCGCTGAGTGTCTGTCTGTGCGCAGGCTGAGTGCAGTG 627  
 QY 329 ----- 328  
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 DB 688 CTTCTGAGTGTCTGGGCTCAAGGCTGCTCAGAGAGTCTTGGGCTCAGTGGCTCAGT 747  
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 QY 487 CCGGAGCGCGCTTCACTGTGGGCTGCTTCTTCAAGAGGCTGTGACTTGGCGCGC 546  
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 QY 1327 ATATGTCAGATGCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1386  
 DB 1627 ATATGTCAGATGCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1686  
 QY 1387 GCC 1389  
 DB 1687 ACC 1689

RESULT 2  
 US-10-020-445A-253  
 Sequence 253, Application US/10020445A  
 Patent No. 6962797  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi  
 APPLICANT: Baker Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Baton, Dan  
 APPLICANT: Ferraro, Napoleon  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerlitsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gutney, Austin L.  
 APPLICANT: Hillan, Kenneth J.  
 APPLICANT: Kijavini, Ivar J.  
 APPLICANT: Kuo, Sophia S.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Shelton, David L.  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P. Mickey  
 APPLICANT: Wood, William I.  
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 Acids Encoding the Same  
 FILE REFERENCE: P2630P1C74

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; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
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; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
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Query Match      54.7%; Score 957.8; DB 3; Length 2456;
Best Local Similarity 85.3%; Pred. No. 1.1e-246;
Matches 1180; Conservative 0; Mismatches 2; Indels 201; Gaps 2;

QY 127 GGTGCTTGACACCAAGAGGCTCAAGTGTGACCAATATGGAACCCCTGCAAGGAAA 186
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QY 967 ATGAGATTTCTTCACTGAACTTTCCAGAGAGACCCGGAAGATTTCTGTTCATGAGC 1026
DB 1348 ATGAGATTTCTTCACTGAACTTTCCAGAGAGACCCGGAAGATTTCTGTTCATGAGC 1407
QY 1027 CCTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1086
DB 1408 CCTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1467
QY 1087 GTTTCATCTGTGCTTACCTTCTAGGTGTCAACCACTGGAATTCATTTGCTTTCCT 1146
DB 1468 GTTTCATCTGTGCTTACCTTCTAGGTGTCAACCACTGGAATTCATTTGCTTTCCT 1527
QY 1147 TATATCATGAAGTTCCCGCTAAACCGGACAGCGATGAGAAAGAAACATCAATGATG 1206
DB 1528 TAT----- 1530
QY 1207 CTCTGAGATACCCGCAACCTGTGTAATATCAACCAAGAGAGGATACCTTGTGTGAG 1266
DB 1531 ----- 1530
QY 1267 GAGTACTGAGCATATGTCAATGAGCATGATGATGATGATGATGATGATGATGATGATG 1326
DB 1567 GAGTACTGAGCATATGTCAATGAGCATGATGATGATGATGATGATGATGATGATGATG 1626
QY 1327 ATAGTTCAAGATGCCATTTCTGTATGCAACTGCAACTGCTCACTACACCGAGAT 1386
DB 1627 ATAGTTCAAGATGCCATTTCTGTATGCAACTGCAACTGCTCACTACACCGAGAA 1686
QY 1387 GCC 1389
DB 1687 ACC 1689

RESULT 3
US-09-595-682B-20
; Sequence 20, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danke, Mary K.
; APPLICANT: Potter, Phillip M.
; APPLICANT: Houghton, Peter J.
; TITLE OF INVENTION: Tumors Cells
; TITLE OF INVENTION: Tumors Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
; PRIOR FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 20
; LENGTH: 1717
; TYPE: DNA
; ORGANISM: Oryctolagus cuniculus
```

US-09-595-682B-20

Query Match 24.4%; Score 427.2; DB 3; Length 1717;  
Best Local Similarity 57.1%; Pred. No. 2,3e-104;  
Matches 862; Conservative 0; Mismatches 633; Indels 15; Gaps 4;

QY 208 CCCATCCAAAGTCTTTTAAAGAGTCCCTTCTCCAGACCTCTCTAGTATCCCTAGGTTT 267  
DB 146 CCGTGGCCGCTTCTCTGAGAGTCCCTTCCAGACCTCTCTAGTATCCCTAGGTTT 205  
QY 268 GCACTCCAGAAACCCCGAGCCCTGAGAAAGAAATCAGAGATGCTACCACTTACCCTCT 327  
DB 206 GCAACCAACAGCTGCAAGATCATTTAGACAGCTGAGAAACCACTCTTACCTTCCC 265  
QY 328 GGGTCCCTGAGAGATC---CTGGGGCAGCTGGCTCGATGTAAGTCAAGCAGCGGGAA 384  
DB 266 ATGTGCTCCAGAGACCGAGATATGCTCTCGAGCTCTTCAACAAGAAAA 325  
QY 385 CCGTACAAAGTGGCTTCAAGCAGAGAGCTGTCGTACCTGAAAGCTGTAACGCGCGG 444  
DB 326 GAGAAATCCCTCTTAAATTTCTGAAGCTGCTTACCTGAATATTTACACCTCTGCT 385  
QY 445 CCGGCGCCCGGAGATCCCAAGCTGCAAGATGCTGCTTCCCGAGCGCGCTTCACTC 504  
DB 386 GACCTGACAAAGAGAGGAGGCTGCCGGTGAATGTGTGATTCATGAGAGTGGTCTGATG 445  
QY 505 GTGGGCGCTGCTTCTTCTGACAGAGGCTCTGACTTGGCGCCCGGAGAAAGTGTGCTG 564  
DB 446 GTGGGAGAGCACTAATGATGCTGCTCTTCTGCGCCATGAGAAAGTGTGTG 505  
QY 565 GTGTTTCTGAGAGCAGGCTCGGATCTTCCGCTTCTGAGAGCGGAGCAGCGCGG 624  
DB 506 GTGACCATTCATGATCCGCTCGGAGCTGAGAGTCTTGAAGAGTCAAGAGAGTCAA 565  
QY 625 CCGGAGAACTGGGGGCTGCTGAGACAGATGCGGCTCTGCGCTGAGTGAAGAACTC 684  
DB 566 CAGAGGAACTGGGGTCACTTGAACAGATGCTGCGCTGCGGTGGGTCCAGAGCAATTC 625  
QY 685 GCAAGCTTGGGGGAGACCCAGAAATGTGACCTGTTGGCCAGTGGCGGGGCGCATG 744  
DB 626 GCGCACTTGGAGGGAGCCAGGCTCTGAGACCATCTTGGAGAGTCAAGAGAGTCAA 685  
QY 745 AGCATCTCAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 804  
DB 686 AGTGTCTTATCTTCTTATATATCCCTCGAGCAAGAAATCTCTTCCATGAGAGATTC 745  
QY 805 CAGAGTGGACCGCGTATATCAACTTTTCACTAGTAAACCACTGAAAGTGGCGAAG 864  
DB 746 GAGAGTGGGGTGGCCCTCTTCAATCTCTTCAAGAAAGCAAGATCTTGGCTGAG 805  
QY 865 AAGTTGGCCACTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 924  
DB 806 AAAAAATGCACTCAAGCTGCTGTAAACCAACCTCGCTGCTCATGTGTTCACTGCTG 865  
QY 925 AGGCACTATCAGAGACCAAGTATGCTGATGATGATGATGATGATGATGATGATGATG 984  
DB 866 CCGCAAGACAGAGAAAGAACTCATGAGAGTGAATGAAATTAATTAATGAGCTTA 925  
QY 985 AACTTCAGAGAGACCCGAGAGATTAATCTGATGATGATGATGATGATGATGATGATG 1044  
DB 926 GATCTAGTGGGAGCCCAAGAGAAACACCGCTTCTGACACTGTGATGATGAGGTTG 985  
QY 1045 GTGATCCAGATGACCTTTGCTGCTGATGATGATGATGATGATGATGATGATGATG 1104  
DB 986 CTGTCTCCAAAGCACTGAGATGATGATGATGATGATGATGATGATGATGATGATG 1045  
QY 1105 CTTCTAGTGTCAACCAAGCTGAATTCATTTGGCTCTTGTCTTATATCATGAGATTCGG 1164  
DB 1046 ATGTGAGAAATCAACAGAGAGTGTGCTGATTAATCCCAATGCAAAATGTGGGCTAT 1105  
QY 1165 CTAAACCGGAGGCGA---TGAGAAAGAAACCATGATGATGATGATGATGATGATGATG 1221  
DB 1106 CCACTCTGAGAGGCAAACTGAGACGAGAGACGATACAGAACTCTTGTGGAAGTCTTAC 1165

QY 1222 ACCCTGTGAATATACCAAGAGAGGATCCACTTGTGTGAGAGATCTTGAACAT 1281  
DB 1166 CCAATTTGCAATGTCTTAAGAGAGTGACTCCAGTGGCCACTGAGAAAGATTTAGAGGCG 1225  
QY 1282 GTCAATGAGCATGATGAGAGATGCTAGAAACCGTATGATGAGATGATGATGATGATG 1341  
DB 1226 ACAATGAGCCTTGTCAAAAGH-----AAGACTTTGCTTGTGACATGCTTGCACATTTG 1279  
QY 1342 ACTTGTGTATGCAACATGCACTGCACTGCACTACCAACGAGATGCGGCTCCCTGTC 1401  
DB 1280 TTATTTGGTGTCCATCTGTGAATGTGTGTGTGATGATGATGATGATGATGATGATG 1339  
QY 1402 TACCTGTATGAATTTGAGCAACAGCTG---TGAAATATGTCTAAACCCGCACTGAT 1458  
DB 1340 TATATGTATGATATCGGTATGCGCAAGCTTCTCATGACATGAGACCCAAAGACAGTG 1399  
QY 1459 GGGGAGACATGGGAGATGAGATGATCTTCTTGGGGGCGCCTTGCCCAAGCGCTT 1518  
DB 1400 ATAGGGAGCATGAGATGAGATCTTCTGTCTTGAAGCGCCGTTTAAAGAGGCT 1459  
QY 1519 TCCATGGGTAAAGAGAGCACTTAGCCTCCAGATGATGAAATACTGGGCCAATTTGCT 1578  
DB 1460 GCCAAGAAAGAGAGATCAAACTGAGCAAGATGTGATGAAATACTGGGCCAATTTGCT 1519  
QY 1579 CGCAAGAGAAACCCCAATGATGGGAATCTGCCCTGCTGCGCCAGCTTACAAAGAGTGA 1638  
DB 1520 AGGAATGGGAATCCCAATGGAAGAGGCTTCTCATATGGCCAGCATGATGATCAAGAA 1579  
QY 1639 AAGTACCTGAGCTGATTTTACCAAGAGATGGGATGAAGCTCAAGAGAAAGATG 1698  
DB 1580 GGTTCCTGAGATTTGAGGCCACCAAGGAGGCCAGAACTGAAGAAAGAGATG 1639  
QY 1699 GCTTTTGGGA 1708  
DB 1640 GCTTCTGGA 1649

RESULT 4  
US-09-264-737-3  
; Sequence 3, Application US/09264737A  
; Patent No. 6107549  
; GENERAL INFORMATION:  
; APPLICANT: Feng, Paul C.C.  
; APPLICANT: Ruff, Thomas G.  
; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via  
; FILE REFERENCE: 38-21(1051) RLE3 Pyridine Tolerance  
; CURRENT APPLICATION NUMBER: US/09/264,737A  
; EARLIER APPLICATION NUMBER: 60/077,377  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 1701  
; TYPE: DNA  
; ORGANISM: Rabbit  
US-09-264-737-3

Query Match 24.2%; Score 424; DB 3; Length 1701;  
Best Local Similarity 57.0%; Pred. No. 1,6e-103;  
Matches 860; Conservative 0; Mismatches 635; Indels 15; Gaps 4;

QY 208 CCCATCCAAAGTCTTTTAAAGAGTCCCTTCTCCAGACCTCTCTAGTATCCCTAGGTTT 267  
DB 139 CCGTGGCCGCTTCTCTGAGAGTCCCTTCCAGACCTCTCTAGTATCCCTAGGTTT 198  
QY 268 GCACTCCAGAAACCCCGAGCCCTGAGAAAGAAATCAGAGATGCTACCACTTACCCTCT 327  
DB 199 GCAACCAACAGCTGCAAGATCATGAGACCGTGAAGAAACCACTCTTACCTTCCC 258  
QY 328 GGGTCCCTGAGAGATC---CTGGGGCAGCTGGCTCGATGATGATGATGATGATGATGATG 384

Db 259 ATGTGCTCCAGAGCGGATATGCTCTCGAGGCTCTTCAACCAAGAAAA 318  
 Qy 385 CGGTACAGAGGCTGCGCTTCAAGGAGACTGTCTGTAACCTGAACGTGACGCGCGGCG 444  
 Db 319 GAGAAATCCCTTTAAATTCTGAAGACTGCTTTACCTGAATATTACACCCCTGCT 378  
 Qy 445 CGCGCGCCGGGAGATCCCAAGCTCCAGTATGCTGTGTCCCGGAGCGCTTTCATC 504  
 Db 379 GACTGACAAAGAGAGGAGGCTGCTCCGCTGATGCTGTGATTCATGAGAGGCTGTATG 438  
 Qy 505 GTGGGCGCTGCTTCTTGTACAGAGGCTGTGACTTGGCCCGCGAGAAAGTGTCTG 564  
 Db 439 GTGGGTGAGAGATCACTATGATGCTGTGCTCTTCTGCGCCATGAGAAAGTGTGTG 498  
 Qy 565 GTGTTTTCGACGACAGGCTTCGCACTTTCGCTTCTGAGCAGAGACAGCAAGCAGCG 624  
 Db 499 GTGACATTCAGTACCGCTGGGATCTGGGAACTTTCAGCAGAGAGATGAGCAGCAGC 558  
 Qy 625 CGCGGAACTGGGGGCTGCTGGAACAGATGGCGGCTGTGCGGTGGTGCAGAGAAATC 684  
 Db 559 CGAGGAACTGGGGTCACTTGGACCAAGTGTGCTGCGGTGGTGCAGAGAAATTT 618  
 Qy 685 GCAAGCTTCGGGGGAGACCAAGAAATGTGACCTGTTCGGCAGTGGCGGGGCGCATG 744  
 Db 619 GCCAACTTTGAGAGGAGCCAGGCTGTGTGACATCTTGGAGAGTCAAGAGAGTCA 678  
 Qy 745 AGCATTCAGAGATGATGATGTCAACCTTACCTCGGCTCTTTCATCGGCGCATTTCC 804  
 Db 679 AGTGTCTCTATCTTCTATATATCCCTGACCAAGATCTTTCATCGAGCAATTTCC 738  
 Qy 805 CAGAGTGGCACCGGTTATTCAGACTTTTCATCTAGTACCACTGAAGTGGCCAG 864  
 Db 739 GAGAGTGGCGGCTCTCTTTCAGATCTTTCAGAGAAACCAAGTCTTGGCTGAG 798  
 Qy 865 AAGGTGGCCACCTGCTGTGATGACCAACCAAGCAGCAGATCTGTGTAACCTGCTG 924  
 Db 799 AAAATTCATTCAGAGTGGGTGTAACCAACCTGCGGTGATGATTCACCTGCTG 858  
 Qy 925 AGGGCATATCAGAGGACCAAGTGTGCTGTTCACCAAGATGATGATTTCTCAACTG 984  
 Db 859 CGCGAAGACAGAGAGAACTCATGAGGTGACATTTGAAATGAAATTTATGCTCTA 918  
 Qy 985 AACTTCAGAGAGACCGGAAAGATTTATCTGTCTCATGAGCCGCTGTGAGTGTG 1044  
 Db 919 GATCTAGTGGCGACCCCAAGAGAAACCGCTTCTGACCACTGATGATGAGGCTG 978  
 Qy 1045 GTGATCCAGATGACCTTTGTGTCTCTGACCCAGGAGAAAGTTTCATCTGTGCTTAC 1104  
 Db 979 CTGCTGCCAAGACCTGACAGATTTCTGGCAGAGAAATTCACATGCTGCTTAC 1038  
 Qy 1105 CTTCAGGTGTCAACACCTGGAATTCATTTGCTCTTGTATATCATGAAAGTTCCG 1164  
 Db 1039 ATGGTGGGAATCAACCAAGAGATTTGCTGATTTCCAAATCAATCTGGGCTAT 1098  
 Qy 1165 CTAAACCGGAGGCA--TGAAGAAAGAAACATCATTAAGATCTCTGAGATACCCG 1221  
 Db 1099 CCACTCTGAAAGGCACTGACCAAGAGACGTTACAGAACTTTGTGAAAGTCTTAC 1158  
 Qy 1222 ACCCTGTGAATATCAACCAAGAGAGGATACCACTTGTGTGAGAGATTAACCTGAGCAT 1281  
 Db 1159 CCAATGTGCAATGTCTTAAGAGCTGACTCAAGTGGCACTGAGAAATTTTGAAGAGG 1218  
 Qy 1282 GTCAATGACATGACTGAGAAAGTCTACGAAACGCTATGATGAGCATAGTTCAAGATCC 1341  
 Db 1219 ACAGATGACCTGTCAAAAAG-----AAGACTTGTCTGGAATCTTGCACATTTG 1272  
 Qy 1342 ACTTCGTGTATGCACTGACAGCTGTCACTACCAAGAGATGCGGCTCTCTGTG 1401  
 Db 1273 TTATTTGTGTCCATCTGTGATGATGCTGTCAACCAAGAGATGCTGAGAGCTTCACTC 1332  
 Qy 1402 TACGTATGATTTTGAACAACAGCTCG--TGAATATATGTCAAAACCCGCACTGAT 1458

Db 1333 TATATGTATGATGTGCTATGCGCCAGCTTCTCATCAGACATGAGACCAAGACATG 1392  
 Qy 1459 GGGGACAGACCATGGGATGATGATGATCTTCTTTGGGGGCCCTTGCACAGGCTT 1518  
 Db 1393 ATAGGGGACCATGAGATGATGATCTTCTGTCTTGAAGACCCGTTTTTAAAGAGGT 1452  
 Qy 1519 TCCATGGGTAAAGAGAGGACCTTACCTTCAGATGATGAATATCTGGGCACTTTGCC 1578  
 Db 1453 GCCACAGAAAGAGATCAAACTGAGCAGATGTGATGAATAATCTGGGCACTTTGCT 1512  
 Qy 1579 CGCACAGAAACCCCAATGATGGAATCTGCGCTGCGCCAGGCTCAACAGATGAA 1638  
 Db 1513 AGGAATGGGAATCCCAATGAGAGAGGCTTCTCAATGSCCAGCATATGACTACAGAA 1572  
 Qy 1639 AAGTACCTGAGCTGATTTTACCAAGAGTGGGCAATGAGCTCAAGAGAAAGATG 1698  
 Db 1573 GGTTCCTGAGATGAGAGCCACACCCAGGACGCCAGAAATGAAAGACAGAAAGTG 1632  
 Qy 1699 GCTTTTGA 1708  
 Db 1633 GCTTCTGGA 1642

RESULT 5  
 US-10-019-219-6  
 ; Sequence 6, Application US/10019219  
 ; Patent No. 6875844  
 ; GENERAL INFORMATION:  
 ; APPLICANT: RONSIN, CHRISTOPHE  
 ; APPLICANT: SCOTT, VERONIQUE  
 ; APPLICANT: TRIEBEL, FREDERIC  
 ; TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFED ORF OF THE ICE  
 ; FILE REFERENCE: 065691-0263  
 ; CURRENT APPLICATION NUMBER: US/10/019,219  
 ; PRIOR FILING DATE: 2002-05-15  
 ; PRIOR APPLICATION NUMBER: PCT/FR00/01791  
 ; PRIOR FILING DATE: 2000-06-27  
 ; PRIOR APPLICATION NUMBER: FR 99/08224  
 ; NUMBER OF SEQ ID NOS: 8  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 6  
 ; LENGTH: 1680  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(1677)  
 US-10-019-219-6

Query Match 18.2%; Score 319.2; DB 3; Length 1680;  
 Best Local Similarity 54.0%; Pred. No. 2.2e-75;  
 Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

Qy 187 CAGATGATGAGGAGAGACCCATCAAGCTTTTAAAGATGCCCTTCCAGACT 246  
 Db 139 CATGTGAAGGCGCAATGCGGGGTCAAACTTCTGGAAATTCATTGCGCAAGCA 198  
 Qy 247 CCTTAAAGTATCTCAGGTTTGCACCTTCAGAACCCCGAGGCCCTGTGAAGATCA 306  
 Db 199 CCTTAAGTCCGCTGCAATTTGCAACCCCTGAGCCCTGAATCTTGAAGTGTGTAGG 258  
 Qy 307 GATGTACACCTTACCGGCTGTGCTGTGAGAGATCTTGGGACCACTGCTCGATG 366  
 Db 259 GATGAACCAACCATCCGCGCATGTGTCTACAGACCTCACCGCATGTGAATCAAGATT 318  
 Qy 367 TACGTACAGACGCGGAAACGATCAAGTGTGCTGCAAGAGACTGTCTGATCCTG 426  
 Db 319 CTTAGCCAGTTCAACATGACTTCCCTTCCGATTCATGTGTGAGACTGCTGTATCCTC 378  
 Qy 427 AACGTGACGCGCGCGCGCGCGCGCGGAGATCCCAAGCTTCCAGTATGATGCTGTTTC 486

379 AGCATCTACACCGCGGCCCATAGCATGAAGCTTAACTGCGGATGATGATGATC 438  
487 CCGGAGAGGCGCTTCACTGATGAGGCGCTCTTCTGTAAGAGGCTCTGACTTTGGCGCC 546  
439 CACGGTGGTGGCTTTTGTGTCAGTGGCTCTCTGTATGATGATGATGATGATGATGATG 498  
547 CCGGAGAGGCGCTTCACTGATGAGGCGCTCTTCTGTAAGAGGCTCTGACTTTGGCGCC 606  
499 TTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 558  
607 ACAGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 666  
559 ACTGAGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 618  
667 TGGTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 726  
619 TGGTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 678  
727 CAGTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 786  
679 GAGTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 738  
787 TTCCATGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATG 846  
739 TTCCATGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATG 798  
847 CCACTGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 906  
799 GCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 858  
907 ATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 966  
859 GCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 892  
967 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1026  
893 AGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 933  
1027 CCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1086  
934 GAGTGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 993  
1087 GTTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1146  
994 TTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1053  
1147 TATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1206  
1054 AAGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1113  
1207 CTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1266  
1114 CTGAGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 1173  
1267 GAGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1326  
1174 GAGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1227  
1327 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1386  
1228 ATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1284  
1387 GCGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 1443  
1285 TCCGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATG 1344  
1444 AAACCCGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATG 1503  
1345 AGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATGATG 1404  
1504 TTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1557  
1405 TTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1464

1558 AAATCTGGGCGCACTTTGCGCGCAGAGAAACCCCAATGATGAGATCTGCTGCTG 1617  
1465 AAGTATGCGGCGCACTTTGCGCGCAGAGAAACCCCAATGATGAGATCTGCTGCTG 1524  
1618 CAGGCTTCACTGATGAGGCGCTTCTGTATGATGATGATGATGATGATGATGATGATG 1677  
1525 CCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1584  
1678 AAGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1711  
1585 GCTGAGAGGCGCGCAGGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATG 1618

RESULT 6  
US-09-949-016-3799  
Sequence 3799, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
PRIOR FILING DATE: 2000-04-14  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FASTSEQ For Windows Version 4.0  
SEQ ID NO 3799  
LENGTH: 2117  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-3799

Query Match 18.2%; Score 319.2; DB 3; Length 2117;  
Best Local Similarity 54.0%; Pred. No. 2.4e-75;  
Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;

187 CAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 246  
195 CAGTGAAGAGGCGCGCAATGCGGAGGTCGCAAACTTCTGAGATTCATTTGCGCAAGCCA 254  
247 CCTTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 306  
255 CCTTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 314  
307 GATGCTACCACTTCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 366  
315 GATGAGAACCACTTCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 374  
367 TAGTGAAGAGGCGCGCAATGCGGAGGTCGCAAACTTCTGAGATTCATTTGCGCAAGCCA 426  
375 CTTAGACCACTTCACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 434  
427 AACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 486  
435 AGCATCTACAGGCGCGCAATGCGGAGGTCGCAAACTTCTGAGATTCATTTGCGCAAGCCA 494  
487 CCGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATGATG 546  
495 CACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 554  
547 CCGGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATGATG 606  
555 TTGAGAGAGGCGCTTCACTGATGAGGCGCTCTCTGTATGATGATGATGATGATGATGATGATG 614  
607 ACGAGAGAGGCGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 666



615	ACTGGAGACAAAGACGGAAACCGGGAACCTGGGGCTAACTGGAGCCAAAGTGGCTGACCTACGC	674	
QY	787	TTCCATGCGGGCCATTTCCAGAGTGGGACCGCGCTTAATTCAGACTTTTCATCACTAGTAAC	846
Db	795	TTTCCACGAGGCATCATGAGAGAGTGGGTGGCCCTCTCGCCCGGCGCTCATTTGGCAGCTCA	854
QY	847	CCACTGAAAGTGGCCAGAGAGTGGTCCCACTGCTGTGATGCAACCAACAGCAACAG	906
Db	855	GCTATGTCATCTCCAGGTGGTGGCCAACTGTCTGCTGTGACCAAGTTGACTTGAG	914
QY	907	ATCTGTGTAACTGTCTGAGGGGCACTATCAGGAGCCAAAGTGAATGCGTGTCCAAAG	966
Db	915	GCCCTGGGGGCTGCTGGGG-----GCAAGGTAAAG	948
QY	967	ATGAGATTCCTCCAACTGAACTTCCAGAGAGACCGGAGAGAGATTATCTGCTCATGAGC	1026
Db	949	AGGAGATTTCTTGCAATT-----AACAAAGCTTTCAATGATATCCCC	989
QY	1027	CTGTGTGTGATGGTGTGTGTGATCCAGATGACCTTTGTGTCTCTGAGCCAGGGAG	1086
Db	990	GGAATGGTGAATGGGGTCTTCTGTGCCAGGACCCCCAGAGAGTGTGGCTGTGGCCGAC	1049
QY	1087	GTTTCATTTGTGCCCTACCTTCTAGGTGTCAACAACTGGAAATTCATTTGGCTCTTGGCT	1146
Db	1050	TTTCAGCTGTGCTCCTAGATATTGTGTGTCAACAAATGAATTCGGCTGCTCATCCCC	1109
QY	1147	TATATCATGAAGTTCCCGCTAAACCGGAGGGGATGAGAAAGAAACCATCACTAATGATG	1206
Db	1110	AAAGTCATAGAGATTTATGATGCCAAGAGGAATGACAGAGAGGCTCTCCAGCTGCT	1168
QY	1207	CTCTGAGTACCCGCAACCTGTGTGAATTCACCAAGAGCAGTACCACTTGTGTGAG	1266
Db	1170	CTGCAAGAAATGTTAAGCTGTGTATGTGTGCTCTCATTTTGTGTGACTGTGTGAGGAG	1229
QY	1267	GAGTACTGTGACATGTCAATGAGCATGACCTGGAAGATGTACGAAACCGTATGATGAC	1326
Db	1230	GAGT-----ACATTTGGGGACAAATGGGATCCCCAGACCTTCAAGCCGACGTTCCAGGAG	1283
QY	1327	ATAGTTCAAAGTCCACTTTGTGTATGCCAACCTGAGCACTGTCACTACCAACCGAAT	1386
Db	1284	ATGATGGCGGACTCCATGTTGTGTATCCCTGTGACTTCCAAATGACATATTTCAAGT---T	1340
QY	1387	GCCGGGCTCCCTGTCTACCTGTATGAATTTGAGCACCAAGCTCGTGG--AAATATCGTC	1443
Db	1341	TCCGGGGGCCCTGTGTATCTTACGAGATTCAAGCATCAGCCAGCTGGCTCAAGAAATC	1400
QY	1444	AAACCCGCACTGATGGGCGACGACATGGGGATGATGTACTTCTCTTTGGGGCCCC	1503
Db	1401	AGGCCACCGCATGAGAGGACAGACCATGGTATGATGCTCTTTGTTTTCAGAAAGTTTC	1460
QY	1504	TT-----CGCCACAGGCTTTCCAGTGTATAGGAGAGGCACTTAAGCTCCAGATGATG	1557
Db	1461	TTTGGGGGCACTCATTAATAATTCCTAGGAGAGGAGCAGACTAAGCAGGAAGATGATG	1520
QY	1558	AAATACTGGGCACTTTGCCCGCACAGGAAACCCCAATGATGGGAATCTGCTGTGG	1611
Db	1521	AAATACTGGGCCCACTTTGCCAGAAATGGGAAACCCCAATGGGAGGGTCTGCAACATGG	1586
QY	1618	CCAGGCTACAAACAGATGAAAAAGTACTTGCAGCTGGATTTTACCAACAAAGTGGGCAATG	1677
Db	1581	CCGCTGTTGACCAAGGAGAGCAATACCTGCAGCTGAACCTTACAGCTTGGTGGGCCGG	1640
QY	1678	AAAGTCAGAGAAAGAAATGGCTTTTGGATGA	1711
Db	1641	GCTCTGAAGGCCACAGGCTCCAGTTCTGAAAGA	1674

[illegible]

Db 795 TTCCAGAGGACCATCATGAGAGAGTGGCGTGGCCCTCTCGCCGCGCTCATTTGCAAGCTCA 854  
 Qy 847 CCACTGAAAGTGGCCCAAGAGTGGTCCACCTTGGCTGATGCAACCAACAGACACAG 906  
 Db 855 GCTGATGTCATCTCCACGGGTGGGCAACCTGTCTGCTGACCAAGTTGACTCTGAG 914  
 Qy 907 ATCTGTAACTGCTGAGGGGCACTATCAGGAGCAAGGTGATGGGTGTTCACCAAG 966  
 Db 915 GCGCTGTGGGCTGCTGCGGG-----GCAAGATTAAG 948  
 Qy 967 ATGAGATTCCTCCACTGAACTTCAGAGAGACCCGAAAGATTAATCTGTCCATGAGC 1026  
 Db 949 AGAGATTCCTGCAATT-----AACAAAGCTTTCAAGATGATCCCC 989  
 Qy 1027 CCTGTGTGAGATGATGATGATGATCCAGATGACCTTTGTGTCTTGAACCCAGGGGAG 1086  
 Db 990 GGAAGGTGATGAGGTGCTTCTCGCCAGGACCCCAAGAGGTGTGCTGCTCGCGAG 1049  
 Qy 1087 GTTTCATCTGTGCTTACCTTCTAGGTGTCAACACCTGGAATTCATTGGCTCTTGCT 1146  
 Db 1050 TTTCAAGCTGTCTCTGACATTTGTGTGTCTACACCAATGAATTCGGCTGTCTCATCCC 1109  
 Qy 1147 TATATCATGAAGTTCCCGTAAACCGGCAAGCGATGAGAAAGAAACATCACTAAGATG 1206  
 Db 1110 AAGGTATGAGATCTATGATATCCAGAAAGAAATGAGACAGAGGCTCCAGGCTGCT 1169  
 Qy 1207 CTCTGAGATACCCGCAACCTGTGTGATATCAACCAAGAGAGATACCATTTGTGTGAG 1266  
 Db 1170 CTGCAAAAATGTTAAAGCTGTGATGTTGCTCTCACTTTGTGTGACCTGTGAGGGAG 1229  
 Qy 1267 GAGTACTGGAACATGTCAATGAGATGACTGGAATGCTAGAAACCGTATGATGAGAC 1326  
 Db 1230 GAGT-----ACATTGGGAGCAATGGGAGATCCCAAGCCTTCAAGCGAGTTCCAGAG 1283  
 Qy 1327 ATAGTCAAGATGCCACTTCTGTGTATGCCACACTGCAAGCTGTCACTACCAACGAGAT 1386  
 Db 1284 ATGATGGCGGACTCCATGTTGTGATCCCTGCACTCCAGTATGACATTTTGAGTG---T 1340  
 Qy 1387 GCGGCTCTCTGTCTTACCTGTATGAAATTTGAGACCAAGCTGTGTG---AATATGCTC 1443  
 Db 1341 TCCCGGCGCCCTGTGTACTTCTACAGATTCAGACATCAGCCGCTGTCAAGAACATC 1400  
 Qy 1444 AAAACCCGCACTGATGGGCGAGACATGGGAGATGATGTACTTCTTTGGGCGGCC 1503  
 Db 1401 AGGCCACCGGCACTGAAAGGACATGATGATGATCTCTTTTGTTCAGAAATTTT 1460  
 Qy 1504 TT-----GCGCACAGGCTTTTCATGGGTAAAGAGAGCACTTAAGCTTCCAGATGATG 1557  
 Db 1461 TTTGGGGGCAACTATCAATTAATTCATGAGAGAGAGAGAGCTTAAGAGATGATG 1520  
 Qy 1558 AATTAATCTGGGCACTTTTCCCGCACAGAAACCCCAATGATGGGAATCTGCTGTG 1617  
 Db 1521 AAGTACTGGGCACTTTGAGAGAAATGGGAACCCCAATGGCGAGGTCTGCAACTG 1580  
 Qy 1618 CCAAGCTTAAACAAGATGAAAGTACTGAGCTGATGATTTTACCAAGAGGGGATG 1677  
 Db 1581 CCGCTTTGACCAAGAGAGAGCATCTGTGAGCTTAACTTACAGCTGTGGGTGGCGG 1640  
 Qy 1678 AAGCTCAAGAGAGAGAGATGGCTTTTGGATGA 1711  
 Db 1641 GCTCTGAAGGCCACAGGCTCCAGTTCTGGAAGA 1674

RESULT 8  
 US-09-595-682B-27  
 ; Sequence 27, Application US/09595682B  
 ; Patent No. 6800483  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Danke, Mary K.  
 ; APPLICANT: Potter, Philip M.  
 ; APPLICANT: Houghton, Peter J.  
 ; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of  
 ; TITLE OF INVENTION: Tumor Cells

; FILE REFERENCE: SJ-0005  
 ; CURRENT APPLICATION NUMBER: US/09/595,682B  
 ; PRIOR FILING DATE: 2000-01-16  
 ; PRIOR APPLICATION NUMBER: 60/075,258  
 ; PRIOR FILING DATE: 1998-02-19  
 ; PRIOR APPLICATION NUMBER: PCT/US99/03171  
 ; PRIOR FILING DATE: 1999-02-12  
 ; NUMBER OF SEQ ID NOS: 30  
 ; SOFTWARE: Patencin Ver. 2.0  
 ; SEQ ID NO 27  
 ; LENGTH: 2191  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-595-682B-27  
 Query Match 18.2%; Score 319.2; DB 3; Length 2191;  
 Best Local Similarity 54.0%; Pred. No. 2.4e-75;  
 Matches 828; Conservative 0; Mismatches 643; Indels 63; Gaps 6;  
 Qy 187 CAGATGATGAGGAGAGAGACACCATTCAGATCTTTTAAAGATCCCTTCTCCAGACT 246  
 Db 217 CATGGAAGGGGCCAAATGCGGGGTCCAAACCTTCTGGGAATTCATTGGCCAAAGCCA 276  
 Qy 247 CCTTAGGATCTCGAGTTTGCACCTCCAGAACCCCGAGACCTTGAGAAAGAAATCA 306  
 Db 277 CCTTAGTCCGCTCGATTTTGACATCCCTGAGCCCTTGAAATCTTGAAGTGTGAGG 336  
 Qy 307 GATGTACCACTACCCGCTGGGTGCTGACAGAGTCTTGGAGCAAGCTGTGATG 366  
 Db 337 GATGGAACCAACCATCCGGCCATGTGTCTACAGAGCTCACCGAGTGAAGTCAAGTTT 396  
 Qy 367 TACGTACAGCGGGGAAACGATCAAGTGTGCTGCTTCAAGAGAGATCTGTGTACTG 426  
 Db 397 CTTAAGCAGTTCAACATGACCTTCTCTCCAGCTCCATGTCTGAGAGACTGCTGTACCTC 456  
 Qy 427 AACGTGACGCGCGGCGGCGGCGCGGAGATCCCAAGTCCAGTGTGATGCTGTTG 486  
 Db 457 AGCATCTACAGCGCGGCCCATAGCATGAAGCTTAACTGCGGTGATGTGTGATC 516  
 Qy 487 CCGGAGGCGCCTTATGATGAGGCGCTGCTTCTTGTGACAGAGGCTGACTTGGCCGCC 546  
 Db 517 CAGGATGAGCGCTGTTTGTGGATGAGCTTCTTGTATGATGTTTCAATGTGCTGCTGCC 576  
 Qy 547 CCGGAGAAAGTGTGTGTTTCTGACAGCAAGGCTCGGATTTGGGCTTCTGAGC 606  
 Db 577 TTGAGAAAGTGTGTGTATCATCAATCAATCCGCTGTGTGCTGTGGCTTCTTCAAGC 636  
 Qy 607 ACGAGCAAGCAGCGCGCGGAGAACTGGGGGCTGTGAGACAGATGGCGGCTGCGCC 666  
 Db 637 ACTGAGACAGACAGCAAGCGGCACTGGGGCTACTGTGACCAAGTGTGCTGACTACGC 696  
 Qy 667 TGGGTGAGAGAGACATGCGAGCCTTGGGGGAGACCAAGAAATGTGACCTGTTCGGC 726  
 Db 697 TGGGTCCAGAGAAATGCGCCACTTTGGAAGCAACCTGACCGTGTCACTTTTGGC 756  
 Qy 727 CAGTGGGGGGGCGCATGAGATCTGAGATCTGATGATGTACCCCTTACCTGCGGTCTC 786  
 Db 757 GAGTCTGGGGGTGAGCAAGTGTGTCTTGTGTGTGTCCCATATCCCAAGAGACTC 816  
 Qy 787 TTCCATCGGGGCACTTCCAGAGTGGGACCGGCTTATTCAGACTTTTCACTAGTAAC 846  
 Db 817 TTCCAGAGGCACTATGAGAGTGGGCTGTGCTTCTGCGCGGCTCATTTGCCAGCTCA 876  
 Qy 847 CCACTGAAAGTGGCCAAAGAGTTGCCACCTGTGTGATGCAACCAACAGACACAG 906  
 Db 877 GGTATGATCTCCACGAGTGTGGCAACGTGTGCTGTGACCAAGTTGACTCTGAG 936  
 Qy 907 ATCTGTAACTGCTTGAAGGCACTATCAGGAGCAAGAGTGTGCTGTCAACAAG 966  
 Db 937 GCGCTGTGGGTGCTGCTGCGG-----GCAAGATTAAG 970  
 Qy 967 ATGAGATTCCTCACTGAATCTTCAGAGAGACCCGGAAGATTAATCTGTGCTCAAGAC 1026

Db	971	AGAGGATTCCTGCAATT-----AACAAAGCCTTTCAAGATGATCCCC	1011
OY	1027	CTGTGTGTGATGTGTGTGTGTGATCCAGATGACCTTTGTGCTCTTGATCCAGGGGAG	1086
Db	1012	GGAATGTGTGATGTGGGTCTTCTCTCCAGGACCCCAAGAGAGCTGTGGCTCTTGCCGAC	1071
OY	1087	GTTTCATCTGTGCCCTACCTTTAGTGTGACAACTGGAAATTCAATTGGCTCTTGCTT	1146
Db	1072	TTTTCAGCCTGTGCTCCATGATTTGTGTGTCAACAACAAATGATTTGCTGGCTATCCCC	1131
OY	1147	TATATCATGAAGTTCCCGCTAAACCGGACGGCGATGAGAAAGAAACATCATCAATGATG	1206
Db	1132	AAGGTCATGAGGATCTATGATATCCAGAAAGAAATGACAGAGAGGCTCCAGAGCTGCT	1191
OY	1207	CTCTGAGTACCCGCAACCTGTGTAAATATCAACAGAGACAGTTACCATTTGTGTGTAG	1266
Db	1192	CTGCAGAAAATGTTTAAACGCTGCTGATGTTGCTCTTACATTTGTGTGTGACTGTCTAGGGAG	1251
OY	1267	GAGTATCTGTGACATATGTCAATGAGACATGATCTGGAAGATGTAACAAACCGATGATGAC	1326
Db	1252	GAGT-----ACATTGGGGAGCAATGGGGATCCCCAGACCTTCCAAAGCGAGTTCCAGAG	1305
OY	1327	ATAGTTCAAGATGCCATTTGCTGTATGSCACACTGACAGCTGTCTCATCAACCGAGAT	1386
Db	1306	ATGATGTGGGACTCATATTTTGTGTATCCCTGTGACTTCCAAAGTACACATTTTCAAGT---	1352
OY	1387	GCCGGCCTCCCTGTCTACTGTATGAATTTTANGACAACGCTGTGG---AATAATGCTC	1443
Db	1363	TCCGGGGGCCCTGTGTATCTTTCAGAGATTTCCAGATTCAGCCAGGTGGCTCAAGAACATC	1422
OY	1444	AAATCCCGCACTGATGGGGCAGACCATGGGAGTGAATGATCTTCTTTTGGGGGCCCC	1503
Db	1423	AGGCCAACCGCACATGAMGACAGACCATGTGTATGTGCTTCTTTTGTTCAGAAATTTTC	1482
OY	1504	TT-----CGCACAGAGCCTTTCCATGGGTATGAAGAGAGGACCTTAGCTCAATGATGAT	1557
Db	1483	TTTGGGGGGCAATCATTAATAATTCTAGTAGAGAGAGAGCAGCTTAGCAGGAATGATATG	1542
OY	1558	AAATATCTGGGCCAATTTTGCCCGCACAGAAACCCCAATGATGGGAATCTGCCCTGTGG	1617
Db	1543	AAATATCTGGGCCAATTTTGGCAGGAATTTGGGAACCCCAATTTGGGAGGGTCTGCACATCGG	1602
OY	1618	CCAGCGCTACAAACAAGATGAAAAAGTAACTGTGACGTGAATTTTACACAAGAGTGGGCATG	1677
Db	1603	CCGCTGTTTGACACAGAGAGAGCAATATCTGTGACGTGAACCTTACAGCCTGTGGGTGGCCGG	1662
OY	1678	AAAGTCAGAGAGAAAGAATGGCTTTTGTGATGA 1711	
Db	1663	GCTTGAAGGCCACACAGGCTCCAGTTCATGTGTGAAAG 1696	

```

/ RESULT 9
/ US-10-023-515-3
/ Sequence 3, Application US/10023515
/ Patent No. 6664091
/ GENERAL INFORMATION:
/ APPLICANT: Curtis, Rory A. J.
/ APPLICANT: Siles-Santiago, Inmaculada
/ TITLE OF INVENTION: 5010, A NOVEL HUMAN CARBOXYESTERASE
/ TITLE OF INVENTION: FAMILY MEMBER AND USES THEREOF
/ FILE REFERENCE: 10448-122001
/ CURRENT APPLICATION NUMBER: US/10/023,515
/ CURRENT FILING DATE: 2001-12-18
/ PRIOR APPLICATION NUMBER: 60/256,369
/ PRIOR FILING DATE: 2000-12-18
/ PRIOR APPLICATION NUMBER: 60/279,508
/ PRIOR FILING DATE: 2001-03-28
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 1746
/ TYPE: DNA
/ ORGANISM: Homo sapiens

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US-10-023-515-3

Query Match	15.6%	Score 272.8;	DB 3;	Length 1746;
Best Local Similarity	53.0%	Pred. No. 6.2e-63;		
Matches 812; Conservative	0;	Mismatches 627;	Indels 93;	Gaps 7.

QY	208	CCCATCCAAAGCTTTTATAGAGTCCCTTCTCCAGACCTCTCTAGAGTATCTCCAGGTTT	267
Db	175	CTGTGAAAGTGTTCCCTCGAGTCCCTTTGTGCTGCCCGCTGGATCCCTGCAATT	234
QY	268	GCACCTCCAGAACCCCGAGCCCTTGAAAGAAATCAAGATGTTACCACTTACCCGCT	327
Db	235	ACGAACCCGACGCTGCATCGCCCTGGAAATTAATTCGAAAGCACCTCTTACCTTAAT	294
QY	328	GGTGGCTCGAGAGTCTGTGGGCGACCTGAGCTCGATGTACGTACGCACGACGGAAACGG	387
Db	295	TTTGAGCTTCCGAAGCTCAGAGTGT--GCTGCTTTAATCAACACATGCTCAGGTGCAT	351
QY	388	TACAAGTGGCTGCGCTTCAAGCAGAGACTGTCTACTGAACTGTACCGCCGCGC	447
Db	352	TACCGAAATTCGAGAGTGTGAGAAAGTCTTACTGAAACTATATGCGCTGCCAC	411
QY	448	CGCCCGGGGATCCCCAGCTGCCAGTATGTCGTGTTCCCGGAGAGGCCCTTATCTGTG	507
Db	412	GCCGATACAGGCTCCAAAGCTCCCGCTTGTGTGTGTTCCAGAGAGTGCCTTCAAGACT	471
QY	508	GGCGTGCTTTGTGTACGAGGCTGTACTGTGCGCGCGCGAGAAAGTGTCTGTGTG	567
Db	472	GGCTAGGCTCAATCTTTGATGTGGTCCGCCCTGTGCTCTATGAGAGCTGTGTGTG	531
QY	568	TTTCTGCAGACAGGCTCGGATCTTTCGGCTTCTTGACAGCAGACGACGCGCG	627
Db	532	GTCTGCAGTACCGGCTAGAAATATTGTGTTCTTCAACCATGGGATCAGCATGCTCG	591
QY	628	GGAACTGTGGGAGCTGTGAAACAATGCGGCTCTGCGTGGGTGTCAGAGAAACATCGCA	687
Db	592	GGGAATGTGGGCTTCMAAGACCAAGTGTCTCTGTCTGTGGTTCAGAAACCAATCGAG	651
QY	688	GCCTTCCGGGGAGACCCAGAAATGTGACCTGTTCGGCGCAGTGGCGGGGCGCATGAGC	747
Db	652	TTCTTCGGTGGGAGCCCAAGCTCTGTACCACTTTTGGCAGATCCGCGGAGCCATAGT	711
QY	748	ATCTCAGACTGATGATGTACCCCTAGCCTTCGGGTCTTTTCATTCGGCCATTTCCAG	807
Db	712	GTTTCTAGCTTAATACGTCTCCCATGCGCAAAAGGCTTATTCACAAAGCATATGAG	771
QY	808	AGTGCACCGCGTTATTTCAACTTTTCACTACATGTAACCACTGA-----AAGTGGC	861
Db	772	AGTGGGTGGCCATCATCCCTTACCTTGAGGCCCATGTATATGAAAGATGAGAGACTG	831
QY	862	AAGAAAGTTGGCCACCTGAGCTGATGTAACAACAACAGACACAGATCTGTGTAATCTGC	921
Db	832	CAGGTGTGTGCAATTTCTGTGTAAACAATGCTGACACTGTGAGGCCCTCTGAGTGTG	891
QY	922	CTGAGGGCACTATCAGGAGCAAGGTGATGCGTGTGTCAACAAGATGAGATTCTTCCA	981
Db	892	CTGAGGAGCAAAACCTCCAAAGAGCTGTGACCTCAGCCAGAAAAACAA-----	940
QY	982	CTGAACCTTCAGAGAGACCCCGAAGAGATATCTGTGTCATGAGCCCTGTGTGATGTT	1047
Db	941	-----AGTCTTTTCACTCGAGTGGTGTATGTT	966
QY	1042	GTGTGTATCCAGATGATCCCTTGTGTGCTCTGACCCAGAGGGAAGTTTCACTGTGCCC	1107
Db	967	GCTTCTTTCTTAATGAGCTCTAATCTATGTGTCTGAAAGCAATTTAAAGCAATTTCT	1022
QY	1102	TACCTTCTAGGTGCAACACTGGAATTCAATTGGCTCTTGCTTTATATCATGAAATTTC	1167
Db	1027	TCCATATCTGAGATCAATATACCAACAGTGTGCTTCTGTGCTCATATGAAAGAGCTCT	1086
QY	1162	CCGCTAAACCGGACAGGCGATGAGAAAGGAAACATCACTAGATGCTGTGAGTACCCG	1222
Db	1087	GAGATCTCAGTGGCTCCACAAAGTCCCTTGCCCTCTCATGTAT-----ACAA	1133

QY 1222 ACCCTGTTGATATATCAACAAGAGAGAGATACCACTTGTGTGAGAGATACCTGACAAAT 1281  
DB 1135 AACATCTCACAATCCGCTCAGATATTTGACCTTGTGTGATATATATATCTTCA---- 1190  
QY 1282 GTCAATGACATGACTGGAAGATGCTACGAAAACCGTATGATGACATAGTTCAAGATGCC 1341  
DB 1191 --TGAACAACGATCCCTGACTGAATCCGAGACAGCTTCTGGAATTTGCTGGAAGATG 1248  
QY 1342 ACTTTGTGTATGCAACATGCACTGCTCACTACCAACCGAGATCCGAGCTTCTGTC 1401  
DB 1249 TTCTTGTGTGCTCCTGCTGATGATCAAGCTCGATATCAAGAGATCTGTGACCTGTC 1308  
QY 1402 TACCTGTATGAATTGAGACCAACGCTGTGATATATGTCAAAACCCGCACTGATG-- 1459  
DB 1309 TACTTCTATGAGTTTGCGACACGAGCTTGTGAAAGACAGAAAGCGGCTTTTGTGTC 1368  
QY 1460 -GGGCAACCATGGAGATGATGATCTTCTTGTGGGGGCCCTTCCGCAACAGCCTT 1518  
DB 1369 AAAGCGACCAAGCTGATGAAAGTCCGCTTGTGTGCTGCTTCTTGAAGGGGAGC 1428  
QY 1519 T-----CCATGGTAAAGAGAGACCTTAGCCTCAATGATGAAA 1560  
DB 1429 ATGTATATGTTGAAAGAGACACGAGAGAGAGAAATTACTGAGCCGAAAGATGATAA 1488  
QY 1561 TACTGGGCAACTTTGCGCGACAGAAACCCCAATGATGGAAATCGCCCTGTGGCA 1620  
DB 1489 TACTGGGCACTCTTCTGCAACCGGAAATCTTAATGGAGAACGACTGTCTGTGGCA 1548  
QY 1621 CGCTACAAAGATGAAAAATGACTGCACTGATTTTACCAAGATGGGATGAAG 1680  
DB 1549 GCTTAAATCTGACTGAGGAGTACTCTCAAGCTGGAATTGAACATGAGCCTCGAAGAGA 1608  
QY 1681 CTGAAGAGAGAAAGATGCTTTTGTGATGAG 1712  
DB 1609 CTCAAAGAACCGGAGTGTGATTTTGTGACAG 1640

RESULT 10  
US-10-023-515-1  
Sequence 1, Application US/10023515  
Patent No. 6664091  
GENERAL INFORMATION:  
APPLICANT: Curtiss, Roy A. J.  
APPLICANT: Siles-Santiso, Immaculada  
TITLE OF INVENTION: 531010, A NOVEL HUMAN CARBOXYL ESTERASE  
FILE REFERENCE: 10448-122001  
CURRENT APPLICATION NUMBER: US/10/023,515  
PRIOR FILING DATE: 2001-12-18  
PRIOR APPLICATION NUMBER: 60/256,369  
PRIOR FILING DATE: 2000-12-18  
PRIOR APPLICATION NUMBER: 60/279,508  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 2158  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (96)...(1838)  
US-10-023-515-1

Query Match 15.6%; Score 272.8; DB 3; Length 2158;  
Best Local Similarity 53.0%; Pred. No. 6.8e-63;  
Matches 812; Conservative 0; Mismatches 627; Indels 93; Gaps 7;  
QY 208 CCCATCAAGTCTTTTGAAGTCCCTTCTCAAGACCTCTCTAGATATCTCAAGTAT 267  
DB 270 CCTGTGAAGCTGTCTCTGAGAGTCCCTTGTGCTGCTCCCGCTGGAGATCCCTGCAATTT 329

QY 268 GCACCTCGAAGAACCCCGGAGCCCTGGAAGGAATCAGAGATGCTACCAACCTACCCGCT 327  
DB 330 ACGAACCCGCAAGCTTGCATTCGCTCTGGAAATTAATTCGAGAAACCACTTCTTAACCTTAAT 389  
QY 338 GGGTCCCTGCAAGAGTCTCTGGGGCAGCTGGCTGATGATAGTACGACAGCCGGGAAACGG 387  
DB 390 TTGTGCTTCCAGAACTCAGAGT--GCTGCTTATAGATCAACATGCTCAMGGTGTGAT 446  
QY 388 TAGAAGTGGCTGCGCTTACAGAGAGACTGTCTGTACTGTAAAGTGTAGCGCCGGCGGC 447  
DB 447 TACCGAAATTCGAGGTCTAGAAAGATGCTCTACCTGAACATCTATAGCCGCTTCCAC 506  
QY 448 GCGCCCGGAGATCCCGAGCTGCAATGATGATGCTGATCCCGGAGGCGCTTCAATG 507  
DB 507 GCCATACAGAGTCTCAAGTCTCCCGTCTTGTGTGATGCTTCCAGAGAGTGCCTTCAAGACT 566  
QY 508 GCGCTGCTTCTTCTGACAGAGGCTCTGACTTGGCCGCGCGAGAAAGTGTGCTGTG 567  
DB 567 GGGTCAAGCTCCTGATTTGATGGTCCGCTGCTGCTATGAGAGAGTGTGTTGTG 626  
QY 568 TTTCTGACAGACAGCTCGGCAATCTTGGCTTCTGAGACAGAGACAGACAGCCGCGC 627  
DB 627 GTCTGCAAGTACCGCTAGGAATATTTGGTTCTTACCAACATGAGATCAGCATCTCG 686  
QY 628 GGGAACTGGGGGCTGAGACAGATGCGGCTGCGCTGGGTGCAAGAGAACATGCA 687  
DB 687 GGGAACTGGGCTTCAAGAACAGATGCTGTCTGTCTGGGTCAAGAAACATCGAG 746  
QY 688 GCTTTCGGGGGAGAACCCAGAAATGTGACCTGTTCGAGCTCGAGGGGCCATGAGC 747  
DB 747 TTTCTTGGGGGAGACCCAGCTCTGTGACATCTTGGAGATGCTCGGGAGACCATTAAGT 806  
QY 748 ATCTCAAGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 807  
DB 807 GTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 866  
QY 808 AGTGGACCGGCTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 861  
DB 867 AGTGGAGTGGCCATATCTTCTTCTGAGGCTCATGATTAAGAGATGAGAGACTG 926  
QY 862 AAGAAAGTTGCCCACTGCTGATGACCAACAGACAGACAGATCTGTGTAACCTG 921  
DB 927 CAGGTGTTGACATTTCTGTGTAAATGATGATGATGATGATGATGATGATGATGATGAT 986  
QY 922 CTGAGGGCACTATCAGAGGACCAAGGTATGCTGTGCTCAACAAATGATGATTTCTCAA 981  
DB 987 CTGAAGACAAACCTTCCAGAGGCTGAGCCCTGAGCAAGAAACAA----- 1035  
QY 982 CTGAACCTTCCAGAGAACCCGGAAGATTAATCTGTGCTCATGAGCCCTGTGTGATGAT 1041  
DB 1036 -----AGTCTTCACTGAGTGTGATGAT 1061  
QY 1042 GTGTGATATCCAGATGACCTTTGTGTCTGACCCAGAGGAGATTTCACTGTGCCC 1101  
DB 1062 GCTTCTTCTTAAAGAGCTCTAGATGATGATGATGATGATGATGATGATGATGATGAT 1121  
QY 1102 TACCTTATAGGTGTCAACACTGGAATTAATGAGCTTGTCTTATATATCAATGAATTC 1161  
DB 1122 TCCATCATGAGAGTCAATTAACACAGATGTGCTTCTGCTGCTCATGAGAGAGCTCCT 1181  
QY 1162 CGGCTAAACCGGACAGGCTGAGAAAGAAACATCACTAGATAGATGCTGTGAGTACCCGC 1221  
DB 1182 GAGATCTCAGTGGCTCCAAAGATGCTTGTGCTTCACTGAT-----ACAA 1229  
QY 1222 ACCCTGTTGATATATCAACAAGAGAGAGTACCACTTGTGTGAGAGATACCTGACAAAT 1281  
DB 1230 AACATCTCACAATCCGCTCAGATTTTGGACCTTGTGGCTAAATGAATCTTCA---- 1285  
QY 1282 GTCAATGACATGACTGGAAGATGCTACGAAAACCGTATGATGACATAGTTCAAGATGCC 1341  
DB 1286 --TGAACAAGCACTCCCTGACTGAATTCGAGACAGCTTCTGGAATTTGGAATG 1343  
QY 1342 ACTTTGTGTATGCAACATGAGACTGTCTACATCAACCGAGATGCGGCTTCTGTC 1401

D <sub>B</sub>	1344	TTCTTTTGTGCTCCCTGCACTGATCATCAGCTCGATATCAAGAGATGCTGTGGCACTGTCTC	1403
Q <sub>Y</sub>	1402	TACCTGTATGATTTTGGACACCAAGCTGTGGATTAATTCGTCAAACCCCGCACTGATG--	1459
D <sub>B</sub>	1404	TACTTCTATGATGTTTCGGACCCGGCTCCTCAGTCTTTGAAGACAGAAACCGGCTTTTGTCTC	1463
Q <sub>Y</sub>	1460	-GGGCAGACCATGGGGATGAGATGATTACTTCCTCTTTGGGGGGCCCTTCGCCACAGGCTT	1518
D <sub>B</sub>	1464	AAAGCCGACCAACGCTGATGAAGTCCGCTTTGTGTCCGTGTGCTCTCTGAAGGGGGAC	1523
Q <sub>Y</sub>	1519	T-----CCATGGGTAAAGGAAGGACCTTACGCTTCAGATGATGAAA	1560
D <sub>B</sub>	1524	ATTGTATATGTTCCGAAGGAGCCACGAGAGAGAAAGTTACTGACACCCGGAAGATGATGAAA	1583
Q <sub>Y</sub>	1561	TACTGGGCGCACTTTGCCCGCAGACAGAAACCCCAATGATGGAAATCTGCCCTGTGGGCCA	1620
D <sub>B</sub>	1584	TACTGGGGTACCTTTTGTCTCGAACCGGGAAATCTTATGGGAACGACTGTCTCTGTGGCCA	1643
Q <sub>Y</sub>	1621	CGCTACACCAAGATGAAGAAAGTACCTGCAAGCTGGAATTTTACCAACAAGATGGGCATGAAG	1680
D <sub>B</sub>	1644	GCTTATATATCTGACTGAGCACTGACTCCTCAGCTGGAACCTTGAACATGAGGCTTCGACAGAGA	1703
Q <sub>Y</sub>	1681	CTCAAGAGAAAGATGGCTTTTGTGATGAG	1712
D <sub>B</sub>	1704	CTCAAGAAACCGCGGTGGATTTTGTGACCAAG	1735

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RESULT 11
US-10-104-047-249
? Sequence 249, Application US/10104047
? Patent No. 6943241
? GENERAL INFORMATION:
? APPLICANT: HELIX RESEARCH INSTITUTE
? TITLE OF INVENTION: NO. 6943241el full length cDNA
? FILE REFERENCE: HI-A0105
? CURRENT APPLICATION NUMBER: US/10/104,047
? CURRENT FILING DATE: 2002-03-25
? PRIOR APPLICATION NUMBER:
? PRIOR FILING DATE:
? NUMBER OF SEQ ID NOS: 4096
? SOFTWARE: Patent In Ver. 2.1
? SEQ ID NO 249
? LENGTH: 2092
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-104-047-249

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Query Match	14.9%	Score 260.6	DB 3	Length 2092
Best Local Similarity	52.5%	Pred. No. 1.3e-59		
Matches 808	Conservative	0	Mismatches 634	Indels 97
				Gaps 7
QY	208	CCCATCCAGTCTTTTATGAGTCCCTTCTCCAGACCTCCCTATGATATCCCTAGGTTT	267	
Db	222	CTTGAAAGGTGTTCTCGAAGTCCCTTTGTGTCTCCCGCTGGATCCCTGCAATT	281	
QY	268	GCACTCCAGAACCCCGGAGCCTTGAAAGGATCAGAGTCTACCACTTACCCGCT	327	
Db	282	ACGAACCCGAGCCTCGATCGCCCTGGATTACTTCGAGAGGACACTCTTCACTTAT	341	
QY	338	GGGTGCTGACAGAGTC-----CTGGGCGCAGCTGGCTTCGATGTAGTCAGACCGG	380	
Db	342	TTGTAAAGACAGGTGCTTCAGAACTCAGAGTGGCTGCTTATATCAACATGCTCA	401	
QY	381	GGAAAGGTACAGGTGCTGCGCTTACAGCAGAGACTGTCTGTACCTGAAGGTAGCGGC	440	
Db	402	GGTGAATTACCGAATTCGAGGTGCAGAMACCTGCCCTTACCTGAACATTTATGCGCC	461	
QY	441	GGCGGCGCGCCCGGGGATCCCGAGCTGCAGTATGTCTGATTCGGGGAGGCGCCTT	500	
Db	462	TGCCACCGCGATACAGGCTCAAGTCTCCCGCTTGGTGTGTATCCAGAGAGTGCCTT	521	
QY	501	CATCGTGGCGCTGCTTCTTCGTACAGAGGCTCTGACTTGGCGCGCCGAGAAATGGT	560	

[illegible]

Db 1539 GATGAATACTGGGCTACCTTTGCTGAAACCGGGAATCTGAATGGGAACGACTGCTCT 1598  
Qy 1614 CTGGCCACGCTACACAGAGATGAAAAGTACTCTGCACTGGATTTTACCAAGAGTGGG 1673  
Db 1599 GTGGCCAGCTTTAACTGACTGAGAGATACCTGCACTGGACTTGAACATGAGCTCCG 1658  
Qy 1674 CATGAAGCTCAAGAGAGAAGATGGCTTTTGGATGAG 1712  
Db 1659 ACAGAGACTCAAGAACCGCGGTGAGATTGGACCAAG 1697

## RESULT 12

US-09-799-451-562  
; Sequence 562, Application US/09799451

Patent No. 6783969  
; GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Zhou, Ping

APPLICANT: Goodrich, Ryle

APPLICANT: Asundi, Vinod

APPLICANT: Ren, Feiyan

APPLICANT: Zhang, Jie

APPLICANT: Xue, Aidong J.

APPLICANT: Zhao, Qing A.

APPLICANT: Wang, Jian-Rui

APPLICANT: Ma, Yunding

APPLICANT: Yamazaki, Victoria

APPLICANT: Chen, Rui-Hong

APPLICANT: Wang, Zhiwei

APPLICANT: Wang, Dunrui

APPLICANT: Yang, Yonghong

APPLICANT: Mehrman, Tom

APPLICANT: Ghosh, Reena

APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: No. 6783969el Nucleic Acids and

FILE REFERENCE: 803

CURRENT APPLICATION NUMBER: US/09/799,451

NUMBER OF SEQ ID NOS: 948

SOFTWARE: pc\_fl\_genes Version 2.0

SEQ ID NO 562

LENGTH: 1453

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (840)..(1070)

US-09-799-451-562

Query Match 13.9%; Score 243.4; DB 3; Length 1453;

Best Local Similarity 99.6%; Pred. No. 4.4e-55;

Matches 244; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1508 CCACAGAGCTTTCCATGGGTAAGAGAGGCACTTAGCCCTCCAGATGAAATACTGGG 1567  
Db 826 CCCGAGGCTTTTCATGGGTAAGAGAGGCACTTAGCCCTCCAGATGAAATACTGGG 885  
Qy 1568 CCAACTTTCCCGCAGAGAAACCCCAATGATGGGAATCTGCTGCTGCGCAGCTACA 1627  
Db 886 CCAACTTTCCCGCAGAGAAACCCCAATGATGGGAATCTGCTGCTGCGCAGCTACA 945  
Qy 1628 ACAAGATGAAAAGTACTCTGCACTGATTTTACCAAGAGTGGGCACTGAAGCTCAAG 1687  
Db 946 ACAAGATGAAAAGTACTCTGCACTGATTTTACCAAGAGTGGGCACTGAAGCTCAAG 1005  
Qy 1688 AGAAGAGATGGCTTTTGGATGATCTGACAGCTCAAGAGCTGAAGAGCAGAGGC 1747  
Db 1006 AGAAGAGATGGCTTTTGGATGATCTGACAGCTCAAGAGCTGAAGAGCAGAGGC 1065  
Qy 1748 AATTC 1752  
Db 1066 AATTC 1070

## RESULT 13

US-10-019-219-3  
; Sequence 3, Application US/10019219

Patent No. 6875844  
; GENERAL INFORMATION:

APPLICANT: RONSIN, CHRISTOPHE

APPLICANT: SCOTT, VERONIQUE

APPLICANT: TRIBEL, FREDERIC

TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE

FILE REFERENCE: 065691-0263

CURRENT APPLICATION NUMBER: US/10/019,219

PRIOR FILING DATE: 2002-05-15

PRIOR APPLICATION NUMBER: PCT/FR00/01791

PRIOR FILING DATE: 2000-06-27

PRIOR APPLICATION NUMBER: FR 99/08224

NUMBER OF SEQ ID NOS: 8

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 3

LENGTH: 521

TYPE: DNA

ORGANISM: Homo sapiens

US-10-019-219-3

Query Match 9.6%; Score 168.6; DB 3; Length 521;

Best Local Similarity 61.5%; Pred. No. 3.4e-35;

Matches 270; Conservative 0; Mismatches 169; Indels 0; Gaps 0;

Qy 490 GGAGGCGCTTATGTTGGGCGCTGCTTTCTTGTAAGAGGCTTGACTTGGCCGCCG 549  
Db 3 GGTGTGGCGCTTATGTTGGGCGCTGCTTTCTTGTAAGAGGCTTGACTTGGCCGCCG 62  
Qy 550 GAGAAAGTGTGCTGTGTTCTGAGACAGGCTCGCATTTGGCTTCTGAGACG 609  
Db 63 GAGAAAGTGTGCTGTGTTCTGAGACAGGCTCGCATTTGGCTTCTGAGACG 122  
Qy 610 GACGACAGCAGCGCGCGGGAATGCGGCGCTGCTGACACAGATGGCGGCTTGGCGTGG 669  
Db 123 GAGACAGCAGCAGCGCGGGAATGCGGCGCTGCTGACACAGATGGCGGCTTGGCGTGG 182  
Qy 670 GTTCAGAGAAATGTCAGACCTTTCGGGGAGACCCAGAAATGTACCTGTTGGCGG 729  
Db 183 GTTCAGAGAAATGTCAGACCTTTCGGGGAGACCCAGAAATGTACCTGTTGGCGG 242  
Qy 730 TCGGCGGCGGCGCATGAGATCTCAGAGCTGATGATGTACACCCCTAGCCTGGGCTCTTC 789  
Db 243 TCGGCGGCGGCGCATGAGATGTGTTCTTGGCTGTTGTGTGTCCTCATATCCAGAACTCTTC 302  
Qy 790 CATCGGCGCATTTCCAGAGTGGCACCGGCTTATTCAGATTTTTCATGACTAGTAACCA 849  
Db 303 CATCGGCGCATTTCCAGAGTGGCACCGGCTTATTCAGATTTTTCATGACTAGTAACCA 362  
Qy 850 CTGAAAGTGGCCAGAGAGTGGCCCACTGCTGATGACACCAAGACAGCAGATC 909  
Db 363 GATGTCATCTCCACCGGTGGCCCACTGCTGATGACACCAAGTTCAGTTCAGAGGC 422  
Qy 910 CTGTTAACTGCTGAGGG 928  
Db 423 CTGTTGGCTGCTGCGG 441

## RESULT 14

US-09-810-861B-5

; Sequence 5, Application US/09810861B

Patent No. 6770799  
; GENERAL INFORMATION:

APPLICANT: Mor, Tsafir S.

APPLICANT: Soreq, Hermona

APPLICANT: Arntzen, Charles J.

APPLICANT: Mason, Hugh S.

;; TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN  
;; FILE REFERENCE: BTI-45  
;; CURRENT APPLICATION NUMBER: US/09/810,861B  
;; PRIOR FILING DATE: 2001-03-16  
;; PRIOR APPLICATION NUMBER: 60/190,440  
;; NUMBER OF SEQ ID NOS: 5  
;; SOFTWARE: PatentIn Ver. 3.1  
;; SEQ ID NO 5  
;; LENGTH: 1725  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
;; OTHER INFORMATION: human acetylcholinesterase gene optimized for  
;; OTHER INFORMATION: expression in plants  
US-09-810-861B-5

Query Match 8.5%; Score 148.2; DB 3; Length 1725;  
Best Local Similarity 48.3%; Pred. No. 1.7e-29;  
Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;

QY 208 CCCATCCAACTCTTTTGAAGATCCCTCTCCAGACCTCTAGGATCTTCAGGTTT 267  
DB 175 CCGTCTCTGCTTTCCTGGGATCCCTTTGGGAGCCACCAATGGACCCCGTCTT 234  
QY 268 GCACCTTCAGAACCCCGGAGCCTGGAAAGAAATCAAGATGTTACACTTACCCGCT 327  
DB 235 CTGGCACCGGAGCCCAAGACGCTTGTGAGGGGTGTAGACGCTTACAACTTTCAGAGT 294  
QY 328 GGGGCTGTGAGAGTCTGAGGAGCAGTGGGCTGATGACGTCACAGCGCGGAAACGG 387  
DB 295 GTCTGTACCAAAATGTG--GACACCTTATCCAGGTTTGAAGGACCGAAGATGG 351  
QY 388 TACAAGTGGCTGCGCTTCAAGGAGACTGTCTGTAACCTGTAACGTGTACGCGCCGCGC 447  
DB 352 AACCCCAACGCTGAGCTGAGGAGAGACTGCTGTACCTCAACGTGTGAGACCATACCCC 411  
QY 448 GCGCCCGGGAGATCCCAAGCTGCAAGTGTCTGTGTTCCCGGAGAGCGCTTCAATGTG 507  
DB 412 CCGGCT--TACATCCCCACCCCTGTCTCTGTGATCTATGAGGGGTGTGCTTTCACAT 468  
QY 508 GCGCGTCTCTT-----CGTAGAGGCTCTGACTTGGCGCGCCGCGAAGATGTG 561  
DB 469 GGGGCTCTCTCTTGAAGCTGTACGATGCGCGCTTCTTGTGACAGGCCGAGAGACTGTG 528  
QY 562 CTGGTGTCTTTCAGACACAGGCTCGGACTTTCGCTTCTGAGACGAGACGAGCC-- 619  
DB 529 CTGGTGTCTTTCAGACACGAGGCTGGAGCTTTCGCTTCTGAGCCCTGCGGGAGAGCCGA 588  
QY 620 -ACGCGCGCGGAACTGGGGGCTCTGTGACCAATGCGGCTCTGCGCTGGGTGAGAG 678  
DB 589 GAGGCGCGGGCAATGTGGTCTCTGTGATCAGAGGCTGCGCTGCAAGTGGGTGAGAG 648  
QY 679 AACATCGCAAGCTTCTGGGGGAGACCCAGAAATGTGACCTGTTCCGCAATCGCGGG 738  
DB 649 AACGTGGAAGCTTCTGGGGGTGAGCCCAATCAATGAGCTGTGTTGGGAGAGCGCGGA 708  
QY 739 GCATGAGCATCTGAGACTGATGTCAACCCCTAGCGCTGGGTCTTTCATCGAGCC 798  
DB 709 GCGCGCTCTGGGGCAGTCACTGTCTCTCCCGCAGCGCGGCGCTTTCACAGGCGC 768  
QY 799 ATTTCAGAGTGG-----CACCGCTTATTCAGACTTTTTCATCATGTAACCACTG 852  
DB 769 GTGTGTCAGAGCGGTGCCCCCAATGAGACCTGAGCGCAAGTGGGATGAGAGCCCGT 828  
QY 853 AAATGTGCAAGAGTGGCCCACTGCTGAGTGAACACCAACAGACAGACATCTCTG 912  
DB 829 CCGAGGGCAGAGCTGGCCCACTTGTGGCTGTCTCTCAAGGGGCACTGGTGGAGAT 888  
QY 913 GTAATGCTGTAGGGCACTATCAAGGACCAAGGTGATGCTGTGTCCAAAGATGAGA 972

DB 889 GACACAGAGCTGTAGCTGCTGCTTGGAGACGACCAAGCCAGTCTCTGTGA----- 941  
QY 973 TTCTTCAACTGAATCTTCAGAGAGACCCGGAAGATTTATCTGTCAATGAGCCCTGTG 1032  
DB 942 --CCAGAAATGGCAGCTGTCTGCTCAAGAAAGGTCTTCCGTTCTCTTCCGCTGTG 999  
QY 1033 GTGATGTGTGTGTATTCGAATGACCTTTGTCTCTGACCAAGGGAAGTTTCA 1092  
DB 1000 GTAGATGAGACTTCTCTAGTGAACCCCAAGGCTCTATCAACCGGAGACTTCCAC 1059  
QY 1093 TCTGTCCCTACTCTTATGATGTCAACAACCTGGAATTCATTTGGCTCTGCTTATATC 1152  
DB 1060 GCGCTCAGAGTGTGTGTGTGTGTGTGAAGATGAGGCGCTCGATTTTCTGTTTACGG 1119  
QY 1153 ATGAGTTCCTCCGTAACCGGACGAGATGAGAAAGAAACATCAATAGATGCTGTG 1212  
DB 1120 GCGCCAGGCTTCAAGCAAGACAGAGTCTCTATACAGCCGGGCGAGTTCTGCGCGG 1179  
QY 1213 AGTACCCGACCCCTGTGTAATATCACCAAGAGAGTACCACTGTGTGAGAGTAC 1272  
DB 1180 GTGCGGGGTGGGGTTCGCCAGTAAATGACCTGGACGCGAGGCTGTGTCTGCAATTAC 1239  
QY 1273 CTGGAATGTCAATGACATGACTGAGAGATCTACGAAACCTGTATGATGACATAGT 1332  
DB 1240 ACAGACTGTGCTGATCCCGAGGACCCGACCGCTGAGGAGGCGCTGAGCGATGTGTG 1299  
QY 1333 CAAGATGCCACTTTCGTATGTCACACTGCACTGCTCACTACCAACGAGATGCCGC 1392  
DB 1300 GCGGACCAATGTCTGTGCTCCCGAGTACCTGGACGCGAGGCTGTGTCTGCAATTAC 1359  
QY 1393 CTCCCTGTCTTACCTGTATGATTTGAGCACCAAGCTGTGGAATTAATGTCAACCCGC 1452  
DB 1360 GCGCGGCTTCAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1416  
QY 1453 ACTGATGGGCAACCAATGGAGATGAGATTAATCTTCTTGTGGGGCCCTT---CGCC 1509  
DB 1417 TGGATGGGGGTGCGCCACGCTACGAGATGAGTCAATCTTGTGGATCCCTCGAGCCC 1476  
QY 1510 ACAGGCTTTCATGAGTTAAGAAAGGCACTTACCTCCAGATGAAATATCTGGCC 1569  
DB 1477 TCTGAAACTTACAGGAGAGAGAAATCTTGCCCAAGACTGATGATCTGAGGCC 1536  
QY 1570 AACTTGGCCCGCAGAGAAACCCCAATGA 1598  
DB 1537 AACTTGGCCCGCAGAGGAGATCCCAATGA 1565

RESULT 15  
US-07-732-962A-1  
; Sequence 1, Application US/07732962A  
; Patent No. 5248604  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Meir  
; TITLE OF INVENTION: EXPRESSION OF ENZYMATICALLY ACTIVE  
; TITLE OF INVENTION: RECOMBINANT HUMAN ACETYLCHOLINESTERASE  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: John P. White, Esq.  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10112  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/732,962A  
; FILING DATE: 19910722  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:



NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 39304/JPM/LSM  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 977-9550  
TELEFAX: (212) 664-0525  
TELEX: 422523 COOP UI  
INFORMATION FOR SEO ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1845 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1842  
US-07-732-962A-1

Query Match 8.5%; Score 148.2; DB 2; Length 1845;  
Best Local Similarity 48.3%; Pred. No. 1.7e-29;  
Matches 680; Conservative 0; Mismatches 693; Indels 36; Gaps 8;  
QY 208 CCATCAAGTCTTTTAAAGAGTCCCTCTCCAGACCTCTCTAGGTATCCCAAGTTT 267  
DB 175 CCGTCTCTGCTTTCTCTGAGGATCCCTTTGCGAGCCACCAATGGAACCCGTCCTT 234  
QY 268 GCACTCTCAAGAACCCCGAGCCCTGAAAGAAATCAAGATCTACCACTTACCCGCT 327  
DB 235 CTGCGCACCGAGCGCAAGAGCCTTGTCAGGGGTGTAGACGCTACCACTTCCAGAGT 294  
QY 328 GGGTCTGCAAGAGTCTCGGGCCAGCTGCTCATGTAGTCAAGCAACGCGGAAACGG 387  
DB 295 GTCTGTACCAATATGT---GACACCTTATACCGAGTTTGAAGGCAACCAAGATGTG 351  
QY 388 TACAATGCTGCTGCTTCAAGAGAGTGTCTGTACCTGTAAAGTAAACGCGCGCGCG 447  
DB 352 AACCCCAACCGTAGCTGAGCAGAGACTGCTGTACTCAAGTGTGACACATACCCC 411  
QY 448 GCGCCCGGAGATCCCAAGCTGCAATGTGTGTTCCGGAAGCGCTTCAATCTGTG 507  
DB 412 CGGCG---TACATCCCGCACCCCTGTCTGTGTGATCTATGGGGGTGGCTTCAAGT 468  
QY 508 GCGCGCTGCTTTT-----CGTACAGAGGCTCTGATTTGGCCGCGCGAAGAAATGTG 561  
DB 469 GGGGCTCTCTCTTGAAGCTGTATCAATGACCGCTTCTGTGTACAGGCGCAAGAGACTGTG 528  
QY 562 CTGATGTTTCTGAGACAGAGCTCGGATCTTCTGCTCTTGAAGCAAGCAAGCC-- 619  
DB 529 CTGATCTCATATACATACCGGGTGGAGAGCTTTGGCTTCTTGAGCCCTGCGCGGAGAGCGA 588  
QY 620 -ACGCGCGCGGAACTGGGGGCTGCTGAACAGATGAGCGGCTTGGCTGGGTGCAAGAG 678  
DB 589 GAGGCCCCCGGGAATGTGGGTCTCTGTGATCAAGAGCTGGCCCTGCAATGGGTGAGAG 648  
QY 679 AACATGCGAGCCTTTCGGGGGAGACCCAGAAATGTAACTCTGTTCCGCAAGTGGGGG 738  
DB 649 AACGTGGCAGCCTTTCGGGGGTGACCCGACATCAAGTACGCTGTTTGGGAGAGCGCGGA 708  
QY 739 GCCATAGCATCTCAAGATCATGATGTACACCCCTAGCCTCGAGTCTCTTCCATCGAGCC 798  
DB 709 GCGCGCTCGGTGGGATGACCTGCTGTCTCCGCGCAAGCGGGGCTGTTTCCAGAGGCC 768  
QY 799 ATTTCAGAGTGG-----CACCGGTTATTCAGACTTTTCATCACTAGTAAACCACTG 852  
DB 769 GTGCTCAAGAGCGGTGCCCAATGGAACCTGGGCAACGGTGGGCAATGGGAGAGGCCGT 828  
QY 853 AAAGTGGCCAAAGAGTTGCCCACTGCGCTGATGCAACACAGCAACAGATCTTG 912  
DB 829 CCGAGGGCCACGACGTGGGCCCACTTGTGGGCTGTCTCAAGCGGCACTGTGGGAAT 888  
QY 913 GTAAACTGCTGAGGCACTATCAAGGACCAAGGTGATGCTGTCTCAACAAAGATGAGA 972

DB 889 GACACAGAGCTGTAGTACCTGCTTGGACAGACCAAGCGGAGTCTGTGAA----- 941  
QY 973 TTCTTCCAACTGAACCTTCCAGAGAGACCCGGAAGATTAATCTGATCATAGAGCCCTGTG 1032  
DB 942 --CCAGATGAGCAGTGTGCTGCTCAAGAAAGCGTCTCCGGTTCCTCTGTCGTGTG 999  
QY 1033 GTGATGTGTGTGTATCCCAAGATGACCTTTGTGTCTCTGACCCAGGAGAAAGTTTCA 1092  
DB 1000 GTAGATGAGACTTCTCTAGTACACCCAGAGGCTTATCAAGCGGAGACTTCCAC 1059  
QY 1093 TCTGTGCCCTACCTTCTAAGTGTCAACAACTGAATTCAATTGGCTCTTGCTTATATC 1152  
DB 1060 GGCCTGCAAGTGTCTGTGTGTGTGTGTGAAGATGAGGCTGTATTTCTGTGTTTACGGG 1119  
QY 1153 ATGAAGTTTCCGCTTAACCCGAGCGCATGAGAAAGAAACCATCACTAAGATGCTCTGG 1212  
DB 1120 GCCCAGGCTTCAGAAAGACAAAGATCTTCATCAAGCCGGGCGGAGTTCTTGCCCGGG 1179  
QY 1213 AGTACCCGACCTCTGTGAATATACCAAGAGCAGTACCACTTGTGTGAGAGATAC 1272  
DB 1180 GTGCGAGTCCGGGTTCCCAAGTAAAGTACCTGGACCGGAGCTGTGTCTGTGATTAAC 1239  
QY 1273 CTGACAAATGTCAATGAGCATGACTGAAAGATGTAACGAACCTATGATGAGACATAGTT 1332  
DB 1240 AAGATGTGTGATATCCGAGAGACCCGCAAGCTGAGAGAGCCCTGAGCATGTGTG 1299  
QY 1333 CAAGATGCCACTTGTGTATGCAACTGTCAAGCTGTCACTACACCGAGATCCGCG 1392  
DB 1300 GCGGACCAAAATGTGTGTGCCCCGAGTAAAGTACCTGGACCGGAGCTGTGTCTGTGATTAAC 1359  
QY 1393 CTCCCTGTCTACTGTATGAATTTGAGACCAAGCTGCTGTGAATTAATGTCAAAACCCGC 1452  
DB 1360 GCGCGGCTTACGCTTACGCTTGTGAACACCGTGC---TTCAAGCTCTCTGCGCCCTG 1416  
QY 1453 ACTGATGGGCGAGACCATGAGGATGAGATGTACTTCTTGTGGGGCCCTT---CGCC 1509  
DB 1417 TGGATGGGGGTGCCCAAGCTACAGAGTCAAGTTCATCTTTGGGATCCCTCGAGACCC 1476  
QY 1510 ACAGGCTTTTCCATGGGTAAGAGAGGCACTTAACCTTCCAGATGATGAATATCTGGGCG 1569  
DB 1477 TCTGAATACTACAGGAGAGGAAATCTTCCGCGAGCACTGATGGATATCGGGCC 1536  
QY 1570 AACTTTGCGCGACAGGAAACCCCAATGA 1598  
DB 1537 AACTTTCGCCGACAGGGGATCCCAATGA 1565

Search completed: December 29, 2005, 03:28:28  
Job time : 365 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: December 27, 2005, 20:11:29 ; Search time 45 Seconds  
(without alignments)  
1072.947 Million cell updates/sec

Title: US-10-001-227-2  
Perfect score: 3112  
Sequence: 1 MPTVLPSTVLPSTLPSTAG.....KMAFWMSLYGSRPKRQRP 584

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 segs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /cgn2\_6/prodata/1/1aa/5 COMB.pep:\*  
2: /cgn2\_6/prodata/1/1aa/6 COMB.pep:\*  
3: /cgn2\_6/prodata/1/1aa/7 COMB.pep:\*  
4: /cgn2\_6/prodata/1/1aa/8 COMB.pep:\*  
5: /cgn2\_6/prodata/1/1aa/9 COMB.pep:\*  
6: /cgn2\_6/prodata/1/1aa/10 COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2026.5	65.1	545	2	US-09-999-833A-254
2	2026.5	65.1	545	2	US-10-020-445A-254
3	1266.5	40.7	566	2	US-10-049-113A-1
4	1260	40.5	565	2	US-09-595-682B-21
5	1251.5	40.2	566	2	US-09-264-737-2
6	1230	39.5	543	2	US-09-595-682B-26
7	1169.5	37.6	584	1	US-08-845-295A-2
8	1169.5	37.6	584	2	US-09-140-933-2
9	1169.5	37.6	584	2	US-09-146-661-2
10	1169.5	37.6	584	2	US-09-150-515-2
11	1145	36.8	581	2	US-10-023-515-2
12	1133	36.4	539	2	US-09-264-737-1
13	1083	34.8	559	2	US-09-595-682B-28
14	1083	34.8	559	2	US-09-949-016-6426
15	1083	34.8	577	2	US-10-019-219-7
16	1083	34.8	577	2	US-09-949-016-9670
17	983.5	31.6	454	2	US-08-446-100-26
18	983.5	31.6	454	2	US-08-446-100-30
19	983.5	31.6	454	2	US-08-446-100-31
20	981.5	31.5	454	2	US-08-446-100-27
21	977.5	31.4	454	2	US-08-446-100-28
22	977.5	31.4	454	2	US-08-446-100-29
23	956	30.7	459	2	US-10-104-047-2219
24	908.5	29.2	574	2	US-10-023-515-4
25	849	27.3	836	2	US-09-491-356C-21
26	831	26.7	848	2	US-09-491-356C-22
27	824.5	26.5	933	2	US-09-949-016-8386

28	820.5	26.4	823	2	US-09-491-356C-23	Sequence 23, Appl
29	820.5	26.4	953	2	US-09-949-016-8387	Sequence 8387, Ap
30	796	25.6	823	2	US-09-949-016-6888	Sequence 6888, Ap
31	788	25.3	843	2	US-09-491-356C-20	Sequence 20, Appl
32	787.5	25.3	617	1	US-08-370-156-6	Sequence 6, Appl
33	787.5	25.3	617	2	US-08-814-095-6	Sequence 6, Appl
34	787	25.3	600	1	US-08-370-156-4	Sequence 4, Appl
35	787	25.3	600	2	US-08-814-095-4	Sequence 4, Appl
36	787	25.3	600	2	US-08-975-084-1	Sequence 1, Appl
37	787	25.3	614	1	US-07-733-962A-2	Sequence 2, Appl
38	787	25.3	614	1	US-08-370-156-2	Sequence 2, Appl
39	787	25.3	614	2	US-08-446-100-19	Sequence 19, Appl
40	787	25.3	614	2	US-08-814-095-2	Sequence 2, Appl
41	787	25.3	614	4	PCT-US92-06106-2	Sequence 2, Appl
42	787	25.3	645	2	US-09-949-016-7063	Sequence 7063, Ap
43	787	25.3	645	2	US-09-949-016-7064	Sequence 7064, Ap
44	786	25.3	614	2	US-08-446-100-21	Sequence 21, Appl
45	785	25.2	614	2	US-08-446-100-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1  
US-09-999-833A-254  
; Sequence 254, Application US/0999833A  
; Patent No. 6916648  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Baker Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Baton, Dan  
; APPLICANT: Ferrara, Napoleon  
; APPLICANT: Flvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerltzen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Kuo, Sophia S.  
; APPLICANT: Napier, Mary A.  
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; APPLICANT: Paoni, Nicholas F.  
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; APPLICANT: Shelton, David L.  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2630PC65  
; CURRENT APPLICATION NUMBER: US/09/999, 833A  
; PRIOR FILING DATE: 2001-10-24  
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 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085704  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085697

Query Match 65.1%; Score 2026.5; DB 2; Length 545;  
 Best Local Similarity 80.3%; Pred. No. 8.3e-199;  
 Matches 399; Conservative 5; Mismatches 26; Indels 67; Gaps 2;

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 QY 66 VKTPIQVPLGVFSPSPPLGILRFAPPEPPEPWKGRDATTYPPG----- 110  
 DB 107 VKTPIQVPLGVFSPSPPLGILRFAPPEPPEPWKGRDATTYPPGWSLALSPGMSAVARS 166  
 QY 111 -----CLOSWSQGLASMYSTRERYKMLFSEDCLYLNY 145  
 DB 167 RLTPATASAVQASLFPQPLSWGRCLOSWSQGLASMYSTRERYKMLFSEDCLYLNY 226  
 QY 146 APARAAGDPOLPVMWFPAGAPFVGAASSYEGSDLAAREKVLVFLQHRLAGIFGLSTDD 205  
 DB 227 APARAAGDPOLPVMWFPAGAPFVGAASSYEGSDLAAREKVLVFLQHRLAGIFGLSTDD 286  
 QY 206 SHARGNWGLDDQMAALRWQENIAAFGSDPGVNTLFGSAGAMSISGLMSPLASGLFHR 265  
 DB 287 SHARGNWGLDDQMAALRWQENIAAFGSDPGVNTLFGSAGAMSISGLMSPLASGLFHR 346  
 QY 266 AISOQSTALPRLFTSNPLKNAKVHLAGCNSNSTOILVNCIRALSGTKWMSKMF 325  
 DB 347 AISOQSTALPRLFTSNPLKNAKVHLAGCNSNSTOILVNCIRALSGTKWMSKMF 406  
 QY 326 LQNFORDDEEITWMSPVVDGVIPDDPLVLLTQKVSVPFLGVNMLEFNLPLPYIM 385  
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 QY 386 KEPLNRQMRKETITMKTSTRLNITKEQVPLVVEYLDNVNEHDMKLRNMDIYQ 445  
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 QY 446 DATEVYATLQTAHYRD 462  
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RESULT 2  
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 ; Patent No. 6962797  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerltzen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
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 ; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2630PLC74  
 ; CURRENT APPLICATION NUMBER: US/10/020,445A  
 ; PRIOR FILING DATE: 2001-10-24  
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PRIOR FILING DATE: 1998-05-15	36

Query Match	65.1%;	Score 2026.5;	DB 2;	length 545;
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Db	107	VKTPIQVFLVGPESRPPILGILRFAPEPBPWKIGIDATTPPGMSIALSPGSAVARS	166
QY	111	-----CLOESRGOLASMYSTRREYKKRLRSEDCLYANV	145
Db	167	RLTATSASRVAQSLLPOLSLWGWTRCLOESRGOLASMYSTRREYKKRLRSEDCLYANV	226
QY	146	APARAPGDPQLVVMWPFPGAFIVGSAASYEGSDLAAREKVLVFLQHRIGIFGLSTDD	205
Db	227	APARAPGDPQLVVMWPFPGAFIVGSAASYEGSDLAAREKVLVFLQHRIGIFGLSTDD	286
QY	206	SHARGNWGLDDMALRKVVOENIAAFGGDPENVTLLPQSGAGMSISGLMMSPLASGLFHR	265
Db	287	SHARGNWGLDDMALRKVVOENIAAFGGDPENVTLLPQSGAGMSISGLMMSPLASGLFHR	346
QY	266	AISQSGTALFRLFTTNSDLKYAKVAVHLAGCNHNSSTOILVNCRLALSGTKVMEVSNKMRP	325
Db	347	AISQSGTALFRLFTTNSDLKYAKVAVHLAGCNHNSSTOILVNCRLALSGTKVMEVSNKMRP	406
QY	326	LQLNQRDPDEELIWSMSPVVDGVTLPDDPLVLLVQGVSSVPTLLGNLLEFNNLLPYIM	385
Db	407	LQLNQRDPDEELIWSMSPVVDGVTLPDDPLVLLVQGVSSVPTLLGNLLEFNNLLPY--	464
QY	386	KEPLNRQAMRKETILKMLMSTRLLNTITKEQVPLIVEEYLDNVNHEHDKMLRRNMDIVQ	445
Db	465	-----NITKEQVPLIVEEYLDNVNHEHDKMLRRNMDIVQ	499
QY	446	DATFYATLQTAHNRD	462
Db	500	DATFYATLQTAHNYHRE	516

RESULT 3

US-10-049-113A-1

Sequence 1, Application US/10049113A

Patent No. 6861233

GENERAL INFORMATION:

APPLICANT: Glaxo Group Limited

APPLICANT: Governors of the University of Alberta

APPLICANT: Borg-Capra, Catherine S

APPLICANT: Lehner, Richard J

APPLICANT: Vance, Dennis B

TITLE OF INVENTION: Method of screening for triacylglycerol hydrolase

TITLE OF INVENTION: Inhibitors

FILE REFERENCE: PH3740

CURRENT APPLICATION NUMBER: US/10/049,113A

PRIOR FILING DATE: 2002-08-08

PRIOR FILING DATE: 1999-08-28

NUMBER OF SEQ ID NOS: 7

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 1

LENGTH: 566

TYPE: PRT

ORGANISM: Homo sapiens

US-10-049-113A-1

Query Match 40.7%; Score 1266.5; DB 2; Length 566;

Best Local Similarity 44.5%; Pred. No. 9.8e-121;

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 2 WIRAFILA-TLSAAMWG--HSSPPVVDVTHGKVLGKVSLEGFAPVAFILGIPFGP 58  
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 381 LRVIMKPEPLNRQAMREKITTKMLSTRLLNTKEQOVPLVEVEYLNNVNEHDKMLRNM 440  
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 441 MDIVQATFVYATLQTAHYHRDAGLPLYLYEFENH--ARGIIVKPRTDGADHDGEMTFLFG 499  
 417 LDIIVAVMFQVPSVIVARBNRDAGAPTYMEFQYRSFSSDMKPKTVIGDHGBELFSVFG 476  
 500 GPATGSLMGKEKALSLQMKYANPARTGNPDGNLPCWPRYNNQDEKYLQDLFTTRVGM 559  
 477 APPLKSGASSEELRLSLQMKYANPARTGNPDGNLPCWPRYNNQDEKYLQDLFTTRVGM 536  
 560 KLKKEKMAFMMSLYOSQRPKORQ 583  
 537 KLKKEKMAFMMSLYOSQRPKORQ 560

RESULT 4  
 US-09-595-682B-21  
 Sequence 21, Application US/09595682B

Patent No. 6800483

GENERAL INFORMATION:

APPLICANT: Danks, Mary K.

APPLICANT: Poter, Philip M.

APPLICANT: Houghton, Peter J.

TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of

TITLE OF INVENTION: Tumor Cells

FILE REFERENCE: SJ-0005

CURRENT APPLICATION NUMBER: US/09/595,682B

PRIOR FILING DATE: 2000-01-16

PRIOR FILING DATE: 1998-02-19

PRIOR FILING DATE: 1999-02-12

NUMBER OF SEQ ID NOS: 30

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 21

LENGTH: 565

TYPE: PRT

ORGANISM: Oryctolagus cuniculus

US-09-595-682B-21

Query Match 40.5%; Score 1260; DB 2; Length 565;

Best Local Similarity 43.8%; Pred. No. 4.6e-120;

Matches 245; Conservative 119; Mismatches 180; Indels 16; Gaps 9;

34 LCLMAQTALGAL---HTKRPQV--TKYGTLOGK--OMHVGTPIQVFLGVFSPRP 86  
 3 LCLALASLACTAMGHSAPRPVVDVTHGKVLGKVSLEGFAPVAFILGIPFGP 62  
 87 LRFAPPEPEPEPKGIRDAITTPGCLQE--SWQSLAMTVSTREKYMRLFSFSDCLY 144  
 63 LRFAPPEPEPEPKGIRDAITTPGCLQE--SWQSLAMTVSTREKYMRLFSFSDCLY 121  
 145 YAPARAPGDPQLPVNVPFGGAFIVGAASVEGSDLAAREKYLVLQHRLLGIFGL 204  
 122 YAPARAPGDPQLPVNVPFGGAFIVGAASVEGSDLAAREKYLVLQHRLLGIFGL 181  
 205 DSHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGOSAGAMSISGLMSPPLASG 264  
 182 DSHARGNWGLLDQMAALRWQENIAAFGDPGNVTLFGOSAGAMSISGLMSPPLASG 241  
 265 RAISGSGTALFRLFTSNPLK--VAKKVLAHLACNHNSTOILVNCRLSGTKMYRVS 324  
 242 RAISGSGTALFRLFTSNPLK--VAKKVLAHLACNHNSTOILVNCRLSGTKMYRVS 301  
 325 FLQNFQRPDBEELIIMSFPVNDGVIPDDPLVLTQGVKSVPYLLGVNNLEFNNL 383  
 302 FLQNFQRPDBEELIIMSFPVNDGVIPDDPLVLTQGVKSVPYLLGVNNLEFNNL 361  
 384 IKKPEPLNRQAMREKITTKMLSTRLLNTKEQOVPLVEVEYLNNVNEHDKMLRNM 443  
 362 IKKPEPLNRQAMREKITTKMLSTRLLNTKEQOVPLVEVEYLNNVNEHDKMLRNM 419  
 444 VQATFVYATLQTAHYHRDAGLPLYLYEFENH--ARGIIVKPRTDGADHDGEMTFLFG 502  
 420 VQATFVYATLQTAHYHRDAGLPLYLYEFENH--ARGIIVKPRTDGADHDGEMTFLFG 479  
 503 ATGLSMGKEKALSLQMKYANPARTGNPDGNLPCWPRYNNQDEKYLQDLFTTRVGM 562  
 480 ATGLSMGKEKALSLQMKYANPARTGNPDGNLPCWPRYNNQDEKYLQDLFTTRVGM 539  
 563 EKKMAFMMSLY--OSORPEK 580  
 540 EKKMAFMMSLY--OSORPEK 559

RESULT 5  
 US-09-264-737-2  
 Sequence 2, Application US/09264737A  
 Patent No. 6107548  
 GENERAL INFORMATION:  
 APPLICANT: Feng, Paul C.C.

```

; APPLICANT: Ruff, Thomas G.
; TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via
; FILE OF INVENTION: Expression of Esterase Enzymes
; FILE REFERENCE: 38-21(10551) RES3 Pyridine Tolerance
; CURRENT APPLICATION NUMBER: US/09/264,737A
; CURRENT FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: 60/077,377
; EARLIER FILING DATE: 1998-03-10
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 566
; TYPE: PRF
; ORGANISM: Rabbit
US-09-264-737-2

Query Match      40.2%; Score 1251.5; DB 2; Length 566;
Best Local Similarity 43.7%; Pred. No. 3.4e-119;
Matches 248; Conservative 117; Mismatches 175; Indels 27; Gaps 11;

Qy 28 LCHSLTLCMAQTALGALHTKRPQVYTKYGLQKQMHVK-----TPYQVFLGVPP 79
Db 7 LVM---LFLAAGTAMG--HSPAPV--DIVKGV--GKPVSLBGRAPQVAVFLGVPP 56
Qy 80 SRPPLGILRFAPRPPRPPKGIKIDATYTPGCLQE--SWQGLAMVYSTERRYKMLRFS 137
Db 57 AKRPLGSLRFRPQPASWSHVKNITTSYPPMCSQDAVSGHMLSELFTNRKENIP-LKFS 115
Qy 138 DCLYLYNAPARABDQOLPVVWVPPGGAFTVGAASVYSGSDLAAREKVVLVFLQHRIGI 197
Db 116 DCLYLYNAPARABDQOLPVVWVPPGGAFTVGAASVYSGSDLAAREKVVLVFLQHRIGI 175
Qy 198 RGFISTDSHARGWGLDDQALRWQENTIAAFGDPGNVTLFGQAGAMSISGLMSP 257
Db 176 WGFSTDSHARGWGLDDQALRWQENTIAAFGDPGNVTLFGQAGAMSISGLMSP 235
Qy 258 LASGLFRRAISQSGTALFRLPITSNPLKAKVAKVHLACNHNSTQIIVNCLRALSGTKM 317
Db 236 LTKLFLRAISQSGTALFRLPITSNPLKAKVAKVHLACNHNSTQIIVNCLRALSGTKM 295
Qy 318 RVSNRMPFLQINFGDPEEIIWMSPVVDGVVDPDLVLLTQKVSVPYLLGVNMLRF 377
Db 296 EVTLKMFALDVGDPKENTAFITVLDVLLPKAPABILABKKVMMLPVMGINDOEF 355
Qy 378 NWLLP-YIMKPLRQAMRKETITKMLSTRTLLNITKEOVLVVEEYLDNVNHDMMKL 436
Db 356 GMIIIPMQLSGPLSEGLDQKTATELTKSYPIVNSKELTPVATEKYLGGTDDPVKK-- 413
Qy 437 RNRMDIVODATFYATLTQAHYHRDAGLPVLYLFEFHH-ARGIIVKPRTDGADHDEM 495
Db 414 KDLFLMDLADLLFQVPSVNAHRDAGAPTYMEYRIRPSFSDMKPKTYIGDHGBIF 473
Qy 496 FLFGPPATGSLMGKRALSLQMMKYANFARTGNPVDGNLPCPRYNKDEKYLQDLFTT 555
Db 474 SYLGAPFLKSGATEEIKLSQVMKYANFARNGNPGEGLPQMPADYKGYLQIGATT 533
Qy 556 RVGKMLKSKKMAFMSTLY--OSQRPK 580
Db 534 QAAQKLDKXVAFWTELMKAAARPR 560

RESULT 6
US-09-595-682B-26
; Sequence 26, Application US/09595682B
; Patent No. 6800483
; GENERAL INFORMATION:
; APPLICANT: Danks, Mary K.
; APPLICANT: Potter, Philip M.
; APPLICANT: Houghton, Peter J.
; TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of
; FILE OF INVENTION: Tumor Cells
; FILE REFERENCE: SJ-0005
; CURRENT APPLICATION NUMBER: US/09/595,682B
```

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; CURRENT FILING DATE: 2000-01-16
; PRIOR APPLICATION NUMBER: 60/075,258
; PRIOR FILING DATE: 1998-02-19
; PRIOR APPLICATION NUMBER: PCT/US99/03171
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 543
; TYPE: PRF
; ORGANISM: Oryctolagus cuniculus
US-09-595-682B-26

Query Match      39.5%; Score 1230; DB 2; Length 543;
Best Local Similarity 43.9%; Pred. No. 5.1e-117;
Matches 239; Conservative 115; Mismatches 176; Indels 14; Gaps 8;

Qy 34 LCMAQTALGAL-----HTKRPQVY-TKYGTLOK--QMHVGTPIQVFLGVPPSRPLGI 86
Db 3 LCALALASLAACTAMGHPAPVVDVTHGKVLGKFSLEBGRAPQVAVFLGVPPAKPLGS 62
Qy 87 LRAPRPPRPPKGIKIDATYTPGCLQE--SWQGLAMVYSTERRYKMLRFSBDCLYLV 144
Db 63 LRAPRPPRPPKGIKIDATYTPGCLQE--SWQGLAMVYSTERRYKMLRFSBDCLYLV 121
Qy 145 YAPARABDQOLPVVWVPPGGAFTVGAASVYSGSDLAAREKVVLVFLQHRIGI 204
Db 122 YTPADLTQRRLPVVWVPPGGAFTVGAASVYSGSDLAAREKVVLVFLQHRIGI 181
Qy 205 DSHARGWGLDDQALRWQENTIAAFGDPGNVTLFGQAGAMSISGLMSP 264
Db 182 DSHARGWGLDDQALRWQENTIAAFGDPGNVTLFGQAGAMSISGLMSP 241
Qy 265 RAISQSGTALFRLPITSNPLKAKVAKVHLACNHNSTQIIVNCLRALSGTKM 324
Db 242 RAISQSGTALFRLPITSNPLKAKVAKVHLACNHNSTQIIVNCLRALSGTKM 301
Qy 325 FLQINFGDPEEIIWMSPVVDGVVDPDLVLLTQKVSVPYLLGVNMLRFNWLLP-Y 383
Db 302 FLQINFGDPEEIIWMSPVVDGVVDPDLVLLTQKVSVPYLLGVNMLRFNWLLP-Y 361
Qy 384 IMKPLRQAMRKETITKMLSTRTLLNITKEOVLVVEEYLDNVNHDMMKL 443
Db 362 IMKPLRQAMRKETITKMLSTRTLLNITKEOVLVVEEYLDNVNHDMMKL 419
Qy 444 VODATFYATLTQAHYHRDAGLPVLYLFEFHH-ARGIIVKPRTDGADHDEM 502
Db 420 VODATFYATLTQAHYHRDAGLPVLYLFEFHH-ARGIIVKPRTDGADHDEM 479
Qy 503 ATGSLMGKRALSLQMMKYANFARTGNPVDGNLPCPRYNKDEKYLQDLFTTRVGMKL 562
Db 480 ATGSLMGKRALSLQMMKYANFARTGNPVDGNLPCPRYNKDEKYLQDLFTTRVGMKL 539
Qy 563 EKXK 566
Db 540 DKEX 543

RESULT 7
US-08-845-295A-2
; Sequence 2, Application US/08845295A
; Patent No. 5817490
; GENERAL INFORMATION:
; APPLICANT: Hubbs, John C.
; TITLE OF INVENTION: Enzymatic Process for the Manufacture of
; FILE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Eastman Chemical Company
; STREET: P.O. Box 511
; CITY: Kingsport
; STATE: Tennessee
```



QY 369 LLAGNNLEFNNMLPYIKMFPLNRQAMKEKITTKMLNSTRTILNTKQVPLV--VEEYLD 426  
D 359 IVGINKEFGMLPTMMGFFLSSEGLDQKATSTSLMKSYPANIPEELTPVATFTDKYL 418  
QY 427 NVNEHDKMLNRMMDIVODATFYVATLQTAHYHRDAGLPVLYEFBHH--ARGIIVKP 483  
D 419 GTDDPVKK--KDLFLDLMGDVFCVPSVTVARQHRDAGAPTYMYEFQVRPSFSDKFTKP 476  
QY 484 RTDGAHDGDMYFLFGGPFATGLSMGKSKALSLQMTKYNANFARTGNPDGNLPCW--R 541  
D 477 KTVIGDGHDEIFSVGFPLLKGDAPBEEVSLSKTVMKFMANFASGNPNBGLPHMPTM 536  
QY 542 YNNDEKYLQDFTTRVGMKLEKKGMAFMMSLYOSORPEK 580  
D 537 YDQEGYLGIVNTQAARKLKGEEVAFMNDLSKEAAK 575

RESULT 9  
US-09-146-661-2  
Sequence 2, Application US/09146661  
Patent No. 6136575  
GENERAL INFORMATION:  
APPLICANT: Hubbs, John C.  
TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
TITLE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of 2-Keto-L-Gu  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESS: Eastman Chemical Company  
STREET: P.O. Box 511  
CITY: Kingsport  
STATE: Tennessee  
COUNTRY: USA  
ZIP: 37662-5075  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch disk  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Microsoft Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/146,661  
FILING DATE: 03-September-98  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/017,879; 08/845,295  
FILING DATE: 17-May-96; 25-April-97  
ATTORNEY/AGENT INFORMATION:  
NAME: Cheryl J. Tubach  
REGISTRATION NUMBER: 38,346  
TELEPHONE: 423-229-6189  
TELEFAX: 423-229-1239  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 584 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
MOLECULAR TYPE: protein  
US-09-146-661-2

Query Match 37.6%; Score 1169.5; DB 2; Length 584;  
Best Local Similarity 43.0%; Pred. No. 9,5e-11;  
Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13;

QY 26 WILCMSLTLCMAAGTALGALHTKRPQVY-TKYGLTGKQMMV-----KTPVQVLAGVPFS 80  
D 2 WLL--PLVLTSLASATYAGPASPVPVDYQGRVLTGYLSLEGIAFTQPAVFLGVPFA 59  
QY 81 RPPGILRFAPDPPEPFWKIRDAITYPPGCLQSSWGLASMYST-----RERYKMLRFS 136  
D 60 KPIFGISRFAPDPAPBFWFSYKNTTSYVPMCCQDPVVGQMTSDLFTNTGKERLT-LFES 118

QY 137 EDCIYIANVYAPAPAGDPDQLPVWTFPPGAPFIYGAASSYEGSDLAAREK--VVLVPLQHR 194  
D 119 EDCIYIANVYAPALTKRGKPLVWVWINGGIVGAGAMVGVVLAHNEFTVVVAIOYR 178  
QY 195 LGIFFGLSTDSHARGNGLDDQMAALRWYOENIAAFGDPGNVTLFGQS--AGAMSISG 252  
D 179 LGIWFSTDESHSRGNMGLDDVYALHVOENIANFGDPGVSITIGESFTAGGESVS 238  
QY 253 LAMSPLASGLFHRASQSGTALFRLFTTSPNLKVAKKVAHLIAGCNHNSIOI--LVNLCRA 310  
D 239 LVLSPLAKNLFHRASISBSGVALTVAVKDKMKAARKIATVAGCKTTTSAVFTVHCLRQ 298  
QY 311 LSGTKVRVNRKRFLOANQRDPBEIISMSFVNVGVLPDDPLVLLTQG--KVSSVPY 368  
D 299 KSBDELLDYLTKKFLTLDPHGQDRSHPLPTVVDVLLPKMPEEILAEKDFTFNTVPY 358  
QY 369 LLAGNNLEFNNMLPYIKMFPLNRQAMKEKITTKMLNSTRTILNTKQVPLV--VEEYLD 426  
D 359 IVGINKEFGMLPTMMGFFLSSEGLDQKATSTSLMKSYPANIPEELTPVATFTDKYL 418  
QY 427 NVNEHDKMLNRMMDIVODATFYVATLQTAHYHRDAGLPVLYEFBHH--ARGIIVKP 483  
D 419 GTDDPVKK--KDLFLDLMGDVFCVPSVTVARQHRDAGAPTYMYEFQVRPSFSDKFTKP 476  
QY 484 RTDGAHDGDMYFLFGGPFATGLSMGKSKALSLQMTKYNANFARTGNPDGNLPCW--R 541  
D 477 KTVIGDGHDEIFSVGFPLLKGDAPBEEVSLSKTVMKFMANFASGNPNBGLPHMPTM 536  
QY 542 YNNDEKYLQDFTTRVGMKLEKKGMAFMMSLYOSORPEK 580  
D 537 YDQEGYLGIVNTQAARKLKGEEVAFMNDLSKEAAK 575

RESULT 10  
US-09-150-515-2  
Sequence 2, Application US/09150515  
Patent No. 6271006  
GENERAL INFORMATION:  
APPLICANT: Hubbs, John C.  
TITLE OF INVENTION: Enzymatic Process for the Manufacture of  
TITLE OF INVENTION: Ascorbic Acid, 2-Keto-L-Gulonic Acid, and Esters of  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESS: Eastman Chemical Company  
STREET: P.O. Box 511  
CITY: Kingsport  
STATE: Tennessee  
COUNTRY: USA  
ZIP: 37662-5075  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch disk  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Microsoft Word  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/150,515  
FILING DATE: 09-SEP-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/017,879; 08/845,295  
FILING DATE: 17-May-96; 25-April-97  
ATTORNEY/AGENT INFORMATION:  
NAME: Cheryl J. Tubach  
REGISTRATION NUMBER: 38,346  
TELEPHONE: 423-229-6189  
TELEFAX: 423-229-1239  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 584 amino acids  
TYPE: Amino Acid



TOPOLOGY: Linear  
MOLECULE TYPE: protein  
US-09-150-515-2

Query Match 37.6%; Score 1169.5; DB 2; Length 584;

Best Local Similarity 43.0%; Pred. No. 9,5e-111;  
Matches 249; Conservative 108; Mismatches 193; Indels 29; Gaps 13;

```
QY 26 WLWMSLITCLMAQTLGALHTKRPOVY-TKKYGLQKGMHG-----KTRIVQPLGVPS 80
DB 2 WLL--PLVLTSLASSSTWAGOPASPPVDTAOGKVLGKVSLEGLAFPTOPVAVFLGVPPA 59
QY 81 RPPGLILRAPPEPPPEPKGIRDATYTPPGCLOESWGLASMYVST---RRRYKRLPS 136
DB 60 KRPGLSLRAPAPQAPAPMPSFVKNNTISYPPMCCQDPVEGQMTSDLFNPFQKRLT-LEPS 118
QY 137 EDCLYINVTAPAPAPGDPQPVWVMPFGCAFIVGAASSTYEGSDLAAREK--VVLVFLQHR 194
DB 119 EDCLYINVTAPADLTGRGRLPVWVWTHGGGLVYGAPWYDGVVLAHNFVTVVAIQR 178
QY 195 LGIFGLSTDDSHARGNKGILLQMALRVQENIAAFGGDPGVNLTFGS--AGAMSTISG 252
DB 179 LGIWGFSTGDEHSRGNWGHLDQVALLHWQENIANFGDPSGVITFGESFTAGGESV 238
QY 253 LAMSPLASGLFHRAISQGTALFRLFTSNPLKVAKKVAHLAAGCNSTQI--LVNCLPA 310
DB 239 LVLSPLAKLPHRAISEGVALTVLVKCDMAKAAQIYVLAQCKTTTSAVPTFVHCIAQ 298
QY 311 LSGTKVRSVNMKRFQLNFORDEEIIWSMSPVVDGVVIPPDDLVLTOG--KVSSVY 368
DB 299 KSEDEILDITLKKKFLTDPHGDQSHPLPVVVDGVVLPKMBEILAKOEPFTVTVY 358
QY 369 LIGVNLEPFWLLPYIMKPRPNQARKETITQMLSTRILNITEQVPLV--VBEYLD 426
DB 359 IYGINQOEGFWLLPYWMPGLSGLKDDQKATSLMKSVPIANIPELTPVATFTKVIY 418
QY 427 NVNEHMKMLRNMMDIYODATFVYATLQTAHYHDAGLPVLYEPEHH---ARGIIVR 483
DB 419 GIDDPKPK--KDLFLDMGVIVGVSVYVARQHRDAGAPTYTTEQYRPSFSDFTKP 476
QY 484 RTDGADHGEDEMYLFGGPATGLSMGKEKALSLQMKYMANFARTGNPDGNI PCWP--R 541
DB 477 KTVIGHGDBIFSVFGRPLKGDAPBEVSLSKTVKFMANFARSGNPNGBGLPHMPFTM 536
QY 542 YNKDEKTLQDFTTRVGMKLEKKMAFWMSLIYQSOREK 580
DB 537 YDQEGYLQIGVNTQAKRLKGEVAFWMDLSKEAKK 575
```

## RESULT 11

US-10-023-515-2  
Sequence 2, Application US/10023515  
Patent No. 6664091  
GENERAL INFORMATION:  
APPLICANT: Curtis, Roy A. J.  
APPLICANT: Siles-Santiago, Inmaculada  
TITLE OF INVENTION: 53010, A NOVEL HUMAN CARBOXYLSTERASE  
FILE REFERENCE: 10448-122001  
CURRENT APPLICATION NUMBER: US/10/023,515  
CURRENT FILING DATE: 2001-12-18  
PRIOR APPLICATION NUMBER: 60/256,369  
PRIOR FILING DATE: 2000-12-18  
PRIOR APPLICATION NUMBER: 60/279,508  
PRIOR FILING DATE: 2001-03-28  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 581  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-023-515-2

Query Match 36.8%; Score 1145; DB 2; Length 581;  
Best Local Similarity 42.8%; Pred. No. 3,1e-108;  
Matches 249; Conservative 91; Mismatches 186; Indels 56; Gaps 13;

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QY 11 LPSLIPTAGAGMSRWILCWSITLCLMAQTALG-----ALHTRPQVNTKYGTLOKQ 63
DB 1 MFOGLTSSASQW-----CFLLT---QPLIGHRWKMGKTSAGAPORNTRLGMIQKQ 50
QY 64 MHV--GKTPVIOVFLGVPSPPLGILRAPPEPPPEPKGIRDATYTPPGCLOESWGLAS 121
DB 51 VTVLGSPPVAVNVLGVPPAPPLGSLRTNPOAPPMNLEKATSPMLCQNSMMLLD 110
QY 122 MYVSTRERYKMLRFSEDCLYINVTAPAPAPGDPQPVWVMPFGCAFIVGAASSTYEGSDLA 181
DB 111 QHM-LKVHYPKGVSEDCLYINVTAPAHADTGSKLPLVWMPFGCAFITGSASIFDGSALA 169
QY 162 AREKVVVFLQHRGLIFGLSTDDSHARGNKGILLQMALRVQENIAAFGGDPGVNLTFL 241
DB 170 AYEDVLVYVVOYRLGIFGFPTWGDHARGNMAFKQVVALSVQNIIEFGDPSVITF 229
QY 242 GOSAGAMSTISGLMWSPLASGLFHRAISQGTALFRL-----FTSNPLKVAKKVAHLAAGC 296
DB 230 GSAAGATSVSSILISPMKGLFHKAIMSGVALIITYLEAHYKESDLOV--VAHFQCN 286
QY 297 MNSTQIILVNCILRALSGTKVRSVNMKRFQLNFORDEEIIWSMSPVVDGVVIPPDDL 356
DB 287 NASDBALLRCARTPKSEKELTLISQTK-----STRVVDGAFPENEPLD 331
QY 357 LITQKRVSSVPLGLVNNLEPFWLLPYIMKPRPNQARKETITQMLSTRILNITEQV 416
DB 333 LLSQAFKAPISIIIVNHNHCEGFLP--MKEAPEILSGSKSLALHLI--QNIHLIPQY 387
QY 417 VPLVVEYLDNVNEHMKMLRNMMDIYODATFVYATLQTAHYHDAGLPVLYEPEHNA 476
DB 388 LHLVANEVFN--DKSLTEIRSLDLADVFFVVPALITAYHDAAGPVFYEFRRHP 445
QY 477 RGI-IVKPTDGADHGEDEMYLFGGPATG-----LSMGKEKALSLQMKYMANFARTG 529
DB 446 QCFEPTKPAFVADHADVRFVFGAFLKGDIVMEGATEEKKLSRKMKKWATFARTG 505
QY 530 NPDGNI PCWP--R 571
DB 506 NPDGNI PCWP--R 547
```

## RESULT 12

US-09-264-737-1  
Sequence 1, Application US/09264737A  
Patent No. 6107549  
GENERAL INFORMATION:  
APPLICANT: Feng, Paul C. C.  
APPLICANT: Ruff, Thomas G.  
TITLE OF INVENTION: Engineering Plant Resistance to Pyridines via  
FILE REFERENCE: 38-21(10551) RLE3 Pyridine Tolerance  
CURRENT APPLICATION NUMBER: US/09/264,737A  
CURRENT FILING DATE: 1999-03-09  
EARLIER APPLICATION NUMBER: 60/077,377  
EARLIER FILING DATE: 1998-03-10  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 539  
TYPE: PRT  
ORGANISM: Rabbit  
US-09-264-737-1

Query Match 36.4%; Score 1133; DB 2; Length 539;  
Best Local Similarity 41.3%; Pred. No. 4,6e-107;  
Matches 227; Conservative 115; Mismatches 177; Indels 30; Gaps 10;

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QY 46 HTRRPQVNTKYGTLOKGMHVGK-----TPVIOVFLGVPSPPLGILRAPPEPP 97
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Db      1 HPSAPVTV--DTVKGKVL--GKFVSLBGAQVAVFLGVPAKPLGSLRFAAPQPAAS 55
Qy      98 WKGRDATTYPPGCLQF--SWGQLASMTVSTREKRYKLRBSBDCLYANTAPAPAPQDPQ 155
      56 WSHKNTSYPPMCSAVSGHMLSELFTNRKENIP-LKSEBDCLYINITYPADLTKRGR 114
Qy      156 LPVWVWPPGAFIVGAASVYEGSDLAAREKVLFELQHRIGIIPGFLSTDSHAGNGML 215
      115 LPVWVWVHGGGLWAGASTIDGLALSAHENVVVTTIQRIGIGFGRNIDE-----L 166
Qy      216 DQMAALWVOENIAFGDPPGNVTLFGQSAGAMSISGLMSPLASGLFHRASISGTLAF 275
      167 FLVAVNRWQDNIANFGDPPGSVTIIFGSAGQGSVSTILLSPLTKNLFHRASISSGALL 226
Qy      276 RLFTTSPPLAKKVAHLAGCNHNSQTOLVNCCLBALSGTKMKRVSNNKRFLOLNFQDPE 335
      227 SSLERKNTKSLAEKIALBAGCKTTSVAVMVCILKQKEBELMEVTLQKKEFALDLVDPK 286
Qy      336 EIIWMSPVVDGVVTPDDPLVLLTQGVKVSVPYLLGVNNLEFNNLLP-YIMKPEPLNRQAM 394
      287 ENTAFLTTVIDGVLLPAPAPAIYEKKYKXNMLPYVGINQSEFGNITPMQMLGYPLSGKL 346
Qy      395 RKETITMLNSTRTLNITKEQVPLVVEBYLDVNEHDMKMLRRMMDIVODATFVYATL 454
      347 DQKATATELWKSYPITVAVSKELTFVATEKYLGGTDDPVKK--KOLFIDMLADLLFGVPSV 404
Qy      455 QTANYHDDAGLPVLYEFENH-ANGIIVKPRTGADHDEMYFLFGCPBPATGSLMGKEKA 513
      405 NVANHHDDAGAPTYMEYERKPSFSDMRPKTVIGDGEDEFSTYGAAPLKEGATEBEIK 464
Qy      514 LSLQMKYANFARTGNPDNGLPCWPRVYNDEKYLOLDFTRGVKMLKEKQNAFWMSLY 573
      465 LSKVMTKMANFANGNPNBSGLPQMPAYDYKEGYLOIGATTQAQKLKQKVAFWMTLM 524
Qy      574 --OSQRPX 580
      525 AKKAPRRE 533
Db

```

RESULT 13

US-09-595-682B-28

Sequence 28, Application US/09595682B

Patent No. 6800483

GENERAL INFORMATION:

APPLICANT: Danks, Mary K.

APPLICANT: Potter, Philip M.

APPLICANT: Houghton, Peter J.

TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of

TITLE OF INVENTION: Tumor Cells

FILE REFERENCE: SJ-0005

CURRENT APPLICATION NUMBER: US/09/595,682B

CURRENT FILING DATE: 2000-01-16

PRIOR APPLICATION NUMBER: 60/075,258

PRIOR FILING DATE: 1998-02-19

PRIOR APPLICATION NUMBER: PCT/US99/03171

PRIOR FILING DATE: 1999-02-12

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 28

LENGTH: 559

TYPE: PRT

ORGANISM: Homo sapiens

US-09-595-682B-28

Query Match

Best Local Similarity 40.8%; Pred. No. 6.7e-102;

Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

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Qy      27 ILCSLTLCLMAQATGALATKRPQVVTYKGTLOGKQMHV--GKTPIOVFLGVFSPRPPL 84
      13 VACGLLTLVLRGQ----GQDSASPIRTHTTQGVLSLVHVGANAGVQTFGLGIPAKPPL 68
Qy      85 GILRFAPRPPRPMKGRDATTYPPGCLQBSWQLASMTVSTREKRYKLRBSBDCLYINV 144
      85 GILRFAPRPPRPMKGRDATTYPPGCLQBSWQLASMTVSTREKRYKLRBSBDCLYINV 144

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Db      69 GPLRFAPRPPRPMKGRDATTYPPGCLQBSWQLASMTVSTREKRYKLRBSBDCLYINV 128
Qy      145 YAPARABDQDLPVWVWPPGAFIVGAASSYEGSDLAAREKVLYFLQHRIGIFGLSTD 204
      129 YTPAHSHBSGNLPLVWVWVHGGGLWAGASTIDGLALSAHENVVVTTIQRIGIGFGRNIDE 188
Qy      205 DSHRAGWGLLDQMAALRWQENIAAAGSDPPGNVTLFGQSAGAMSISGLMSPLASGLFH 264
      189 DKHATVNMGYLDDVVALRWQENIAAAGSDPPGNVTLFGQSAGAMSISGLMSPLASGLFH 248
Qy      265 RAISQGTALFRLFTSNPLKAKKVAHLAGCNHNSQTOLVNCCLBALSGTKMKRVSNNKRF 324
      249 GAIMSEGVALLPGLIASSAVISTVYANTLASQOVSEALVGLCRGSKKEIILAINPK 308
Qy      325 FLOLNFQDDEEIIWMSPVVDGVVTPDDPLVLLTQGVKVSVPYLLGVNNLEFNNLLPYI 384
      309 MI-----PGVVDGVFLPRHQEILLASADPQVPSPVIGVNNNEFGMLIPKV 353
Qy      385 MKPEPLNRQAMRKETITMLNSTRTLNITKEQVPLVVEYL-DVNEHDMKMLRRMMDI 443
      354 MRIYDQKENDREASQALQKMLTLMLEPTFGDLREBEYIGDN---GDPQTQAQPOEM 410
Qy      444 VODATFVYATLQTAHYRDAGLPVLYEFENHARGI-IVKPTGADHDEMYFL-----F 498
      411 MADSMFVPLQYANF-QCSRAPVTFYEFQHSMLKNIRPPMKADHDELPVFRSFP 469
Qy      499 GGPATGSLMGKEKALSLQMKYANFARTGNPDNGLPCWPRVYNDEKYLOLDFTRGVK 558
      470 GGVYIKFTE--EEBQLSRKMKYANFANGNPNBSGLPQMPAYDYKEGYLOIGATTQAQKLK 527
Qy      559 MKLKEKQNAFW-----MSLYQSQRPX 581
      528 RALKARLQFKKALPKQIQLEBEER 555
Db

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RESULT 14

US-09-949-016-6426

Sequence 6426, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 6426

LENGTH: 559

TYPE: PRT

ORGANISM: Human

US-09-949-016-6426

Query Match

Best Local Similarity 40.8%; Pred. No. 6.7e-102;

Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

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Qy      27 ILCSLTLCLMAQATGALATKRPQVVTYKGTLOGKQMHV--GKTPIOVFLGVFSPRPPL 84
      13 VACGLLTLVLRGQ----GQDSASPIRTHTTQGVLSLVHVGANAGVQTFGLGIPAKPPL 68
Qy      85 GILRFAPRPPRPMKGRDATTYPPGCLQBSWQLASMTVSTREKRYKLRBSBDCLYINV 144
      69 GILRFAPRPPRPMKGRDATTYPPGCLQBSWQLASMTVSTREKRYKLRBSBDCLYINV 128

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145 YAPARAPDPPOLPVWVWPFPGAFIVGAASYEGSDLAAREKVLVFLQHRIGIFGLSTD 204  
129 YTPAHSHSGSNLPVWVWVHGGALVFGMA5LYDGSMLALENVVVYIIQYRLGVIGFFSTG 188  
205 DSHARGNMGILLDQMAALRWQENIAFGDPPGNVTLFGQAGANSISGLMSPILASGLFH 264  
189 DKHATGNMGYLDQVVALRWQONIAHFGNDPDRVTIFGESAGTSVSSLVSPISQGLFH 248  
265 RAISQSGTALFRLFTTSPNPLKAKVAHLAGCNHNSQIIVNCLRALSGTKVMRMSNMOR 324  
249 GAIMESGVALLPGLIASSADVISTVANLISACDVDSBALVGLCKGSKKEBILAINKPEK 308  
325 FLQINPQDPEEIIWMSPVVDGVVIPPDDPLVLTQGVSSVPYLLGVNNLEFNNLLPYI 384  
309 MI-----PGVVDGVFLPRHPQELASADPQFVPSIVGVNNNEFGMLIPKV 353  
385 MKPFLNQAMREKETITTKMLWSTRTLLNITKEQVPLVVEBYL-DVNBHDWMLNRNMDI 443  
354 MRIYDTQKEMDRASQAALQKMLTLLMLPPTFGDLIREBYIGDN--GDPQTLQAQFQEM 410  
444 VQDATFVYATLTQTAHYHNDAGLPVYLYEFEBHARGI-IVKPRTDGADHGDMEYFL----F 498  
411 MADSMFVLPALQVAHF-QCSRAPVYFYEFOHPQPSMLKNIRPPHMKADHGDDELPEVFRSFF 469  
499 GGPFRATGSMGKEXKALSLQMKYMANFARTGNPNPDGNLPCMPRYNKDEKYLQLDFTTRVG 558  
470 GGNVYIKFTE--BEBQLSRKMKYMANFARNGNPNBGLPHWPLFDQEBQYIQLNLQPAVG 527  
559 MKLKEKMAFW-----MSLYOSQRPPEKQ 581  
528 RALKAHRLQFMKKALPQKIQLEBPEER 555

RESULT 15  
US-10-019-219-7  
; Sequence 7, Application US/10019219  
; Patent No. 6875844  
; GENERAL INFORMATION:  
; APPLICANT: RONSIN, CHRISTOPHE  
; APPLICANT: SCOTT, VERONIQUE  
; APPLICANT: TRIBBEL, FREDERIC  
; TITLE OF INVENTION: PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORP OF THE ICE  
; FILE REFERENCE: 065691-0263  
; CURRENT APPLICATION NUMBER: US/10/019,219  
; CURRENT FILING DATE: 2002-05-15  
; PRIOR APPLICATION NUMBER: PCT/FR00/01791  
; PRIOR FILING DATE: 2000-06-27  
; PRIOR APPLICATION NUMBER: FR 99/08224  
; PRIOR FILING DATE: 1999-06-28  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 559  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-019-219-7

Query Match 34.8%; Score 1083; DB 2; Length 559;  
Best Local Similarity 40.8%; Pred. No. 6,7e-102;  
Matches 232; Conservative 94; Mismatches 204; Indels 38; Gaps 10;

27 ILCSYTLCLMAQTALGALHTKRPQVYTKGTIQGKMV--GKTRIQVFLGVPFSRPP 84  
13 VAGGLLLLVRRQ---GQDSASPIRTTHTGVLGSLVHVKGANAGVQTFLLGIPAKPPL 68  
85 GILRFAPPEBPBPBMKGIADATYTPGCLQBSMGQLASMYVSTRARYKMLRFSEDCLYLV 144  
69 GILRFAPPEBPBPBMKGIADATYTPGCLQBSMGQLASMYVSTRARYKMLRFSEDCLYLV 128  
145 YAPARAPDPPOLPVWVWPFPGAFIVGAASYEGSDLAAREKVLVFLQHRIGIFGLSTD 204  
129 YTPAHSHSGSNLPVWVWVHGGALVFGMA5LYDGSMLALENVVVYIIQYRLGVIGFFSTG 188

205 DSHARGNMGILLDQMAALRWQENIAFGDPPGNVTLFGQAGANSISGLMSPILASGLFH 264  
189 DKHATGNMGYLDQVVALRWQONIAHFGNDPDRVTIFGESAGTSVSSLVSPISQGLFH 248  
265 RAISQSGTALFRLFTTSPNPLKAKVAHLAGCNHNSQIIVNCLRALSGTKVMRMSNMOR 324  
249 GAIMESGVALLPGLIASSADVISTVANLISACDVDSBALVGLCKGSKKEBILAINKPEK 308  
325 FLQINPQDPEEIIWMSPVVDGVVIPPDDPLVLTQGVSSVPYLLGVNNLEFNNLLPYI 384  
309 MI-----PGVVDGVFLPRHPQELASADPQFVPSIVGVNNNEFGMLIPKV 353  
385 MKPFLNQAMREKETITTKMLWSTRTLLNITKEQVPLVVEBYL-DVNBHDWMLNRNMDI 443  
354 MRIYDTQKEMDRASQAALQKMLTLLMLPPTFGDLIREBYIGDN--GDPQTLQAQFQEM 410  
444 VQDATFVYATLTQTAHYHNDAGLPVYLYEFEBHARGI-IVKPRTDGADHGDMEYFL----F 498  
411 MADSMFVLPALQVAHF-QCSRAPVYFYEFOHPQPSMLKNIRPPHMKADHGDDELPEVFRSFF 469  
499 GGPFRATGSMGKEXKALSLQMKYMANFARTGNPNPDGNLPCMPRYNKDEKYLQLDFTTRVG 558  
470 GGNVYIKFTE--BEBQLSRKMKYMANFARNGNPNBGLPHWPLFDQEBQYIQLNLQPAVG 527  
559 MKLKEKMAFW-----MSLYOSQRPPEKQ 581  
528 RALKAHRLQFMKKALPQKIQLEBPEER 555

Search completed: December 27, 2005, 20:20:22  
Job time : 47 sec

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